

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/13/2022

Reviewed on 09/13/2022

1 Identification

- **Product identifier**
- **Trade name:** PICRIC ACID, REAGENT, CRYSTAL, ACS
- **Article number:** 19550
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Information department:** Product safety department
- **Emergency telephone number:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Solids 2

H228 Flammable solid.



GHS06 Skull and crossbones

Acute Toxicity - Oral 3

H301 Toxic if swallowed.

Acute Toxicity - Dermal 3

H311 Toxic in contact with skin.

Acute Toxicity - Inhalation 3

H331 Toxic if inhaled.

- **Label elements**

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS06

- **Signal word** Danger

- **Hazard-determining components of labeling:**

2,4,6-trinitrophenol

- **Hazard statements**

Flammable solid.

Toxic if swallowed, in contact with skin or if inhaled.

- **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 1)

Avoid breathing dust/fume/gas/mist/vapors/spray
 Wash thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If swallowed: Immediately call a poison center/doctor.
 Specific treatment (see on this label).
 Rinse mouth.
 If on skin: Wash with plenty of water.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Call a poison center/doctor.
 Call a poison center/doctor if you feel unwell.
 Take off immediately all contaminated clothing and wash it before reuse.
 In case of fire: Use CO₂, powder or water spray to extinguish.
 Store in a well-ventilated place. Keep container tightly closed.
 Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

88-89-1	2,4,6-trinitrophenol	>50-≤100%
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4 First-aid measures

· **Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

Remove breathing apparatus only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation:**

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 2)

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

All components have the value 0.3 mg/m³.

- **PAC-2:**

All components have the value 17 mg/m³.

- **PAC-3:**

All components have the value 100 mg/m³.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Thorough dedusting.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
Keep respiratory protective device available.

(Contd. on page 4)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 3)

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

88-89-1 2,4,6-trinitrophenol

PEL Long-term value: 0.1 mg/m³
Skin

REL Short-term value: 0.3 mg/m³
Long-term value: 0.1 mg/m³
Skin

TLV Long-term value: 0.1 mg/m³

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 4)

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· Form:	Solid
· Color:	Yellow
· Odor:	Odorless
· Odor threshold:	Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

· Melting point/Melting range:	121 °C (249.8 °F)
· Boiling point/Boiling range:	Undetermined.

· **Flash point:** 150 °C (302 °F)

· **Flammability (solid, gaseous):** Highly flammable.

· **Ignition temperature:** 300 °C (572 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Not determined.

· **Explosion limits:**

· Lower:	Not determined.
· Upper:	Not determined.

· **Vapor pressure at 20 °C (68 °F):** 23 hPa (17.3 mm Hg)

· **Density at 20 °C (68 °F):** 1.8 g/cm³ (15.021 lbs/gal)

· **Relative density** Not determined.

· **Vapor density** Not applicable.

· **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with**

· **Water:** Soluble.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

· Dynamic:	Not applicable.
· Kinematic:	Not applicable.

· **Solvent content:**

· **VOC content:** 0.00 %

· **Solids content:** 100.0 %

(Contd. on page 6)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 5)

· **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Toxic
- **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS



(Contd. of page 6)

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT, ADR, IMDG, IATA 	UN1344
<ul style="list-style-type: none"> · UN proper shipping name · DOT · ADR · IMDG, IATA 	Trinitrophenol, wetted 1344 TRINITROPHENOL (PICRIC ACID), WETTED TRINITROPHENOL (PICRIC ACID), WETTED
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT 	
<ul style="list-style-type: none"> · Class · Label 	4.1 Flammable solids, self-reactive substances and solid desensitised explosives 4.1
<ul style="list-style-type: none"> · ADR, IMDG, IATA 	
<ul style="list-style-type: none"> · Class · Label 	4.1 Flammable solids, self-reactive substances and solid desensitised explosives 4.1
<ul style="list-style-type: none"> · Packing group · DOT, ADR, IMDG, IATA 	I
<ul style="list-style-type: none"> · Environmental hazards: 	Not applicable.
<ul style="list-style-type: none"> · Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category 	Warning: Flammable solids, self-reactive substances and solid desensitised explosives 60 F-B,S-J E

(Contd. on page 8)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: **PICRIC ACID, REAGENT, CRYSTAL, ACS**

(Contd. of page 7)

· Segregation Code	SG7 Stow "away from" class 3 SG30 Stow "away from" SGG7-heavy metals and their salts
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 25 kg On cargo aircraft only: 100 kg
· ADR	
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· IMDG	
· Limited quantities (LQ)	500 g
· Excepted quantities (EQ)	Code: E4 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 500 g
· UN "Model Regulation":	UN 1344 TRINITROPHENOL (PICRIC ACID), WETTED, 4.1, I

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

All ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 8)

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS02 GHS06

· **Signal word** *Danger*

· **Hazard-determining components of labeling:**

2,4,6-trinitrophenol

· **Hazard statements**

Flammable solid.

Toxic if swallowed, in contact with skin or if inhaled.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Immediately call a poison center/doctor.

Specific treatment (see on this label).

Rinse mouth.

If on skin: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a poison center/doctor.

Call a poison center/doctor if you feel unwell.

Take off immediately all contaminated clothing and wash it before reuse.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Contact:**

· **Date of preparation / last revision** 09/13/2022 / -

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 9)

EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
*OSHA: Occupational Safety **Health***
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flammable Solids 2: Flammable solids – Category 2
Acute Toxicity - Oral 3: Acute toxicity – Category 3

US

Safety Data Sheet

according to WHS Regulations

Printing date 13.09.2022

Revision: 13.09.2022

1 Identification

- **Product identifier**
- **Trade name:** PICRIC ACID, REAGENT, CRYSTAL, ACS
- **Article number:** 19550
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- ProSciTech Pty Ltd
11 Carlton Street, Kirwan QLD 4817 Australia
Telephone Number: (07) 4773 9444 - 8:30am - 5:00pm, Monday to Friday (excluding Public Holidays)
Emergency Contact: (07) 4773 9444 - 8:30am - 5:00pm, Monday to Friday (excluding Public Holidays)
Website: ems.proscitech.com
- Emgrid Australia Pty. Ltd.
P.O. Box 118
The Patch VIC 3792
Australia
Tel: 03 9752 1785
Fax: 03 9752 1784
Website: www.emgrid.com.au
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 Hazard(s) Identification

- **Classification of the substance or mixture**



GHS02 flame

Flam. Sol. 2 H228 Flammable solid.



GHS06 skull and crossbones

Acute Tox. 3 H301 Toxic if swallowed.

Acute Tox. 3 H311 Toxic in contact with skin.

Acute Tox. 3 H331 Toxic if inhaled.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 1)

- **Label elements**

- **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

- **Hazard pictograms**



GHS02 GHS06

- **Signal word** *Danger*

- **Hazard-determining components of labelling:**

2,4,6-trinitrophenol

- **Hazard statements**

Flammable solid.

Toxic if swallowed.

Toxic in contact with skin.

Toxic if inhaled.

- **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Specific treatment (see on this label).

Rinse mouth.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER/doctor.

Call a POISON CENTER/doctor if you feel unwell.

Take off immediately all contaminated clothing and wash it before reuse.

In case of fire: Use CO₂, powder or water spray for extinction.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 2)

· Dangerous components:

88-89-1	2,4,6-trinitrophenol
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>50-≤100%

· Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

· Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.

Remove breathing equipment only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact: Immediately wash with water and soap and rinse thoroughly.

· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing: Do not induce vomiting; call for medical help immediately.

· Information for doctor:

· Most important symptoms and effects, both acute and delayed No further relevant information available.

· Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire Fighting Measures

· Extinguishing media

· Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

· Special hazards arising from the substance or mixture No further relevant information available.

· Advice for firefighters

· Protective equipment: Mouth respiratory protective device.

6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions: Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

AU

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 3)

7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**
Thorough dedusting.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

88-89-1 2,4,6-trinitrophenol

WES	Long-term value: 0.1 mg/m ³
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- **Additional information:** The lists valid during the making were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Protection of hands:**



Protective gloves

(Contd. on page 5)

Safety Data Sheet according to WHS Regulations

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 4)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· Form:	Solid
· Colour:	Yellow
· Odour:	Odourless
· Odour threshold:	Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

· Melting point/freezing point:	121 °C
· Initial boiling point and boiling range:	Undetermined.

· **Flash point:** 150 °C

· **Flammability (solid, gas):** Highly flammable.

· **Ignition temperature:** 300 °C

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Not determined.

· **Explosion limits:**

· Lower:	Not determined.
· Upper:	Not determined.

· **Vapour pressure at 20 °C:** 23 hPa

· **Density at 20 °C:** 1.8 g/cm³

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 5)

· Relative density	<i>Not determined.</i>
· Vapour density	<i>Not applicable.</i>
· Evaporation rate	<i>Not applicable.</i>
· Solubility in / Miscibility with water:	<i>Soluble.</i>
· Partition coefficient: n-octanol/water:	<i>Not determined.</i>
· Viscosity:	
Dynamic:	<i>Not applicable.</i>
Kinematic:	<i>Not applicable.</i>
· Solvent content:	
Solids content:	<i>100.0 %</i>
· Other information	<i>No further relevant information available.</i>

10 Stability and Reactivity

- **Reactivity** *No further relevant information available.*
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *No dangerous reactions known.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *No dangerous decomposition products known.*

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**
- **Primary irritant effect:**
- **Skin corrosion/irritation** *No irritant effect.*
- **Serious eye damage/irritation** *No irritating effect.*
- **Respiratory or skin sensitisation** *No sensitising effects known.*
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Toxic

12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*
- **Mobility in soil** *No further relevant information available.*

(Contd. on page 7)

Safety Data Sheet

according to WHS Regulations

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS


(Contd. of page 6)

- **Additional ecological information:**
- **General notes:**
*Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
 Do not allow product to reach ground water, water course or sewage system.
 Danger to drinking water if even small quantities leak into the ground.*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- | | |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| · UN-Number | UN1344 |
| · ADG, IMDG, IATA | |
| · UN proper shipping name | 1344 TRINITROPHENOL (PICRIC ACID), WETTED |
| · ADG | TRINITROPHENOL (PICRIC ACID), WETTED |
| · IMDG, IATA | |
| · Transport hazard class(es) | |
| · ADG, IMDG, IATA | |
|  | |
| · Class | 4.1 Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives |
| · Label | 4.1 |
| · Packing group | I |
| · ADG, IMDG, IATA | |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Warning: Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives |
| · Hazard identification number (Kemler code): | 60 |
| · EMS Number: | F-B,S-J |

(Contd. on page 8)

Safety Data Sheet

according to WHS Regulations

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 7)

· Stowage Category	E
· Segregation Code	SG7 Stow "away from" class 3 SG30 Stow "away from" SGG7-heavy metals and their salts
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADG	
· Limited quantities (LQ)	0
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category	1
· Tunnel restriction code	B
· IMDG	
· Limited quantities (LQ)	500 g
· Excepted quantities (EQ)	Code: E4 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 500 g
· UN "Model Regulation":	UN 1344 TRINITROPHENOL (PICRIC ACID), WETTED, 4.1, I

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Industrial Chemicals**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

All substances have the value S4, S6.

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS06

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

2,4,6-trinitrophenol

· **Hazard statements**

Flammable solid.

(Contd. on page 9)

Safety Data Sheet

according to WHS Regulations

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 8)

Toxic if swallowed.

Toxic in contact with skin.

Toxic if inhaled.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Specific treatment (see on this label).

Rinse mouth.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER/doctor.

Call a POISON CENTER/doctor if you feel unwell.

Take off immediately all contaminated clothing and wash it before reuse.

In case of fire: Use CO₂, powder or water spray for extinction.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category H2 ACUTE TOXIC**

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Contact:**

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/13/2022

Reviewed on 09/13/2022

1 Identification

- **Product identifier**
- **Trade name:** PICRIC ACID, REAGENT, CRYSTAL, ACS
- **Article number:** 19550
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Electron Microscopy Sciences
 1560 Industry Road
 USA-Hatfield, PA 19440
 Tel: 215-412-8400 Fax: 215-412-8450
 email: info@emsdiasum.com
 www.emsdiasum.com
- **Information department:** Product safety department
- **Emergency telephone number:**
 ChemTrec 1-800-424-9300 Contract CCN7661
 1-703-527-3887

2 Hazard identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Solids - Category 2 H228 Flammable solid.



GHS06 Skull and crossbones

Acute Toxicity (Oral) - Category 3 H301 Toxic if swallowed.

Acute Toxicity (Dermal) – Category 3 H311 Toxic in contact with skin.

Acute Toxicity (Inhalation) - Category 3 H331 Toxic if inhaled.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS06

- **Signal word** Danger

- **Hazard-determining components of labeling:**

2,4,6-trinitrophenol

- **Hazard statements**

Flammable solid.

Toxic if swallowed, in contact with skin or if inhaled.

(Contd. on page 2)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 1)

· **Precautionary statements**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Ground and bond container and receiving equipment.
 Use explosion-proof [electrical/ventilating/lighting] equipment.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 Wash thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If swallowed: Immediately call a poison center/doctor.
 Rinse mouth.
 If on skin: Wash with plenty of water.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Call a poison center/doctor.
 Call a poison center/doctor if you feel unwell.
 Specific measures (see on this label).
 Take off immediately all contaminated clothing.
 Wash contaminated clothing before reuse.
 In case of fire: Use CO₂, powder or water spray to extinguish.
 Store in a well-ventilated place. Keep container tightly closed.
 Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = 2
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

3 Composition/Information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

88-89-1	2,4,6-trinitrophenol	45-70% w/w *
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* Actual concentration ranges are withheld as a trade secret.

4 First-aid measures

· **Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

(Contd. on page 3)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 2)

Remove breathing apparatus only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact: *Immediately wash with water and soap and rinse thoroughly.*

· After eye contact: *Rinse opened eye for several minutes under running water. Then consult a doctor.*

· After swallowing: *Do not induce vomiting; immediately call for medical help.*

· Information for doctor:

· Most important symptoms and effects, both acute and delayed *No further relevant information available.*

· Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

· Extinguishing media

· Suitable extinguishing agents: *Use fire fighting measures that suit the environment.*

· Special hazards arising from the substance or mixture *No further relevant information available.*

· Advice for firefighters

· Protective equipment: *Mouth respiratory protective device.*

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions: *Do not allow to enter sewers/ surface or ground water.*

· Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· Handling:

· Precautions for safe handling

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Keep respiratory protective device available.

(Contd. on page 4)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 3)

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

88-89-1 2,4,6-trinitrophenol

EL	TWA: 0.1 mg/m ³ S(D)
EV	STEL: 0.3 mg/m ³ TWA: 0.1 mg/m ³ Skin

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 5)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 4)

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	Solid
Color:	Yellow
Odor:	Odorless
Odor threshold:	Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

Melting point/Melting range:	121 °C
Boiling point/Boiling range:	Undetermined.

· **Flash point:** 150 °C

· **Flammability (solid, gaseous):** Highly flammable.

· **Ignition temperature:** 300 °C

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Not determined.

· **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

· **Vapor pressure at 20 °C:** 23 hPa

Density at 20 °C:	1.8 g/cm ³
Relative density	Not determined.
Vapor density	Not applicable.
Evaporation rate	Not applicable.

· **Solubility in / Miscibility with**

Water: Soluble.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

Dynamic: Not applicable.

(Contd. on page 6)

CA

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 5)

Kinematic:	Not applicable.
· Solvent content:	
Solids content:	100.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Toxic
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water

(Contd. on page 7)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 6)



Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· UN-Number	
· DOT/TDG, ADR, IMDG, IATA	UN1344
· UN proper shipping name	Trinitrophenol, wetted
· DOT/TDG	1344 Trinitrophenol, wetted
· ADR	TRINITROPHENOL (PICRIC ACID), WETTED
· IMDG, IATA	
· Transport hazard class(es)	
· DOT/TDG (Transport dangerous goods):	
	
· Class	4.1 Flammable solids, self-reactive substances and solid desensitised explosives
· Label	4.1
· ADR, IMDG, IATA	
	
· Class	4.1 Flammable solids, self-reactive substances and solid desensitised explosives
· Label	4.1
· Packing group	
· DOT/TDG, ADR, IMDG, IATA	I

(Contd. on page 8)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 7)

· Environmental hazards:	<i>Not applicable.</i>
· Special precautions for user	<i>Warning: Flammable solids, self-reactive substances and solid desensitised explosives</i>
· Hazard identification number (Kemler code):	<i>60</i>
· EMS Number:	<i>F-B,S-J</i>
· Stowage Category	<i>E</i>
· Segregation Code	<i>SG7 Stow "away from" class 3 SG30 Stow "away from" SGG7-heavy metals and their salts</i>
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	<i>Not applicable.</i>
· Transport/Additional information:	
· DOT/TDG	
· Quantity limitations	<i>On passenger aircraft/rail: 25 kg On cargo aircraft only: 100 kg</i>
· ADR	
· Excepted quantities (EQ)	<i>Code: E0 Not permitted as Excepted Quantity</i>
· IMDG	
· Limited quantities (LQ)	<i>500 g</i>
· Excepted quantities (EQ)	<i>Code: E4 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 500 g</i>
· UN "Model Regulation":	<i>UN 1344 TRINITROPHENOL (PICRIC ACID), WETTED, 4.1, I</i>

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

All ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Canadian substance listings:**

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Non-Domestic Substances List (NDSL)**

None of the ingredients is listed.

(Contd. on page 9)

CA

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 8)

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

All ingredients are listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS02 GHS06

· **Signal word** *Danger*

· **Hazard-determining components of labeling:**

2,4,6-trinitrophenol

· **Hazard statements**

Flammable solid.

Toxic if swallowed, in contact with skin or if inhaled.

· **Precautionary statements**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Ground and bond container and receiving equipment.

Use explosion-proof [electrical/ventilating/lighting] equipment.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Immediately call a poison center/doctor.

Rinse mouth.

If on skin: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a poison center/doctor.

Call a poison center/doctor if you feel unwell.

Specific measures (see on this label).

Take off immediately all contaminated clothing.

Wash contaminated clothing before reuse.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 10)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 09/13/2022

Reviewed on 09/13/2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 9)

· **Contact:**

· **Date of the latest revision of the safety data sheet** 09/13/2022 / -

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

CA

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** PICRIC ACID, REAGENT, CRYSTAL, ACS
- **Article number:** 19550
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 Hazards identification

- **Classification of the substance or mixture**



flame

Flam. Sol. 2 H228 Flammable solid.



skull and crossbones

Acute Tox. 3 H301 Toxic if swallowed.

Acute Tox. 3 H311 Toxic in contact with skin.

Acute Tox. 3 H331 Toxic if inhaled.

- **Label elements**

- **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

- **Hazard pictograms**



GHS02 GHS06

- **Signal word** Danger

- **Hazard-determining components of labelling:**

2,4,6-trinitrophenol

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 1)

- **Hazard statements**
Flammable solid.
Toxic if swallowed, in contact with skin or if inhaled.
- **Precautionary statements**
IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
Specific treatment (see on this label).
Rinse mouth.
Take off immediately all contaminated clothing and wash it before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

88-89-1	2,4,6-trinitrophenol	>50- ≤100%
	Expl. 1.1, H201; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
Remove breathing equipment only after contaminated clothing have been completely removed.
In case of irregular breathing or respiratory arrest provide artificial respiration.
- **After inhalation:**
Supply fresh air or oxygen; call for doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 2)

- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Thorough dedusting.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 3)

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Store protective clothing separately.
 Avoid contact with the eyes and skin.
- **Respiratory protection:**
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Solid
Colour:	Yellow
Odour:	Odourless
Odour threshold:	Not determined.
- **pH-value:** Not applicable.
- **Change in condition**

Melting point/freezing point:	121 °C
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(Contd. on page 5)

IL

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 4)

Initial boiling point and boiling range:	Undetermined.
· Flash point:	150 °C
· Flammability (solid, gas):	Highly flammable.
· Ignition temperature:	300 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Not determined.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure at 20 °C:	23 hPa
· Density at 20 °C:	1.8 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water:	Soluble.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
Solids content:	100.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**
- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.

(Contd. on page 6)

IL

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 5)

- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Toxic

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- | | |
|----------------------------------|-------------------------------------------|
| · UN-Number | |
| · ADR, IMDG, IATA | UN1344 |
| · UN proper shipping name | |
| · ADR | 1344 TRINITROPHENOL (PICRIC ACID), WETTED |
| · IMDG, IATA | TRINITROPHENOL (PICRIC ACID), WETTED |

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: **PICRIC ACID, REAGENT, CRYSTAL, ACS**

(Contd. of page 6)

· **Transport hazard class(es)**· **ADR, IMDG, IATA**· **Class**

4.1 Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives

· **Label**

4.1

· **Packing group**· **ADR, IMDG, IATA**

I

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Warning: Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives

· **Hazard identification number (Kemler code):**

60

· **EMS Number:**

F-B,S-J

· **Stowage Category**

E

· **Segregation Code**

SG7 Stow "away from" class 3

SG30 Stow "away from" SGG7-heavy metals and their salts

· **Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**· **ADR**· **Limited quantities (LQ)**

0

· **Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

· **Transport category**

1

· **Tunnel restriction code**

B

· **IMDG**· **Limited quantities (LQ)**

500 g

· **Excepted quantities (EQ)**

Code: E4

Maximum net quantity per inner packaging: 1 g

Maximum net quantity per outer packaging: 500 g

· **UN "Model Regulation":**

UN 1344 TRINITROPHENOL (PICRIC ACID), WETTED, 4.1, I

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 7)

· **Hazard pictograms**



GHS02 GHS06

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

2,4,6-trinitrophenol

· **Hazard statements**

Flammable solid.

Toxic if swallowed, in contact with skin or if inhaled.

· **Precautionary statements**

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Specific treatment (see on this label).

Rinse mouth.

Take off immediately all contaminated clothing and wash it before reuse.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category H2 ACUTE TOXIC**

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H201 Explosive; mass explosion hazard.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

· **Contact:**

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Expl. 1.1: Explosives – Division 1.1

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

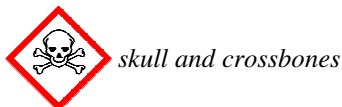
- **1.1 Product identifier**
- **Trade name:** PICRIC ACID, REAGENT, CRYSTAL, ACS
- **Article number:** 19550
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Further information obtainable from:** Product safety department
- **1.4 Emergency telephone number:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Flam. Sol. 2 H228 Flammable solid.



Acute Tox. 3 H301 Toxic if swallowed.

Acute Tox. 3 H311 Toxic in contact with skin.

Acute Tox. 3 H331 Toxic if inhaled.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS02 GHS06

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
2,4,6-trinitrophenol

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 1)

- **Hazard statements**
 - H228 *Flammable solid.*
 - H301+H311+H331 *Toxic if swallowed, in contact with skin or if inhaled.*
- **Precautionary statements**
 - P301+P310 *IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*
 - P321 *Specific treatment (see on this label).*
 - P330 *Rinse mouth.*
 - P361+P364 *Take off immediately all contaminated clothing and wash it before reuse.*
 - P405 *Store locked up.*
 - P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 88-89-1	2,4,6-trinitrophenol	>50- ≤100%
EINECS: 201-865-9	Expl. 1.1, H201; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
 - Immediately remove any clothing soiled by the product.*
 - Remove breathing equipment only after contaminated clothing have been completely removed.*
 - In case of irregular breathing or respiratory arrest provide artificial respiration.*
- **After inhalation:**
 - Supply fresh air or oxygen; call for doctor.*
 - In case of unconsciousness place patient stably in side position for transportation.*
- **After skin contact:** *Immediately wash with water and soap and rinse thoroughly.*
- **After eye contact:** *Rinse opened eye for several minutes under running water. Then consult a doctor.*
- **After swallowing:** *Do not induce vomiting; call for medical help immediately.*
- **4.2 Most important symptoms and effects, both acute and delayed**
 - No further relevant information available.*
- **4.3 Indication of any immediate medical attention and special treatment needed**
 - No further relevant information available.*

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** *Use fire extinguishing methods suitable to surrounding conditions.*

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 2)

- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Thorough dedusting.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

88-89-1 2,4,6-trinitrophenol

WEL	Short-term value: 0.3 mg/m ³ Long-term value: 0.1 mg/m ³
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(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 3)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Solid

Colour: Yellow

· **Odour:** Odourless

· **Odour threshold:** Not determined.

· **pH-value:** Not applicable.

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 4)

· Change in condition Melting point/freezing point:	121 °C
Initial boiling point and boiling range:	Undetermined.
· Flash point:	150 °C
· Flammability (solid, gas):	Highly flammable.
· Ignition temperature:	300 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Not determined.
· Explosion limits: Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure at 20 °C:	23 hPa
· Density at 20 °C:	1.8 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water:	Soluble.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity: Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
Solids content:	100.0 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

GB

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 5)

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
Toxic if swallowed, in contact with skin or if inhaled.
- **Primary irritant effect:**
- **Skin corrosion/irritation** *Based on available data, the classification criteria are not met.*
- **Serious eye damage/irritation** *Based on available data, the classification criteria are not met.*
- **Respiratory or skin sensitisation** *Based on available data, the classification criteria are not met.*
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** *Based on available data, the classification criteria are not met.*
- **Carcinogenicity** *Based on available data, the classification criteria are not met.*
- **Reproductive toxicity** *Based on available data, the classification criteria are not met.*
- **STOT-single exposure** *Based on available data, the classification criteria are not met.*
- **STOT-repeated exposure** *Based on available data, the classification criteria are not met.*
- **Aspiration hazard** *Based on available data, the classification criteria are not met.*

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **12.2 Persistence and degradability** *No further relevant information available.*
- **12.3 Bioaccumulative potential** *No further relevant information available.*
- **12.4 Mobility in soil** *No further relevant information available.*
- **Additional ecological information:**
- **General notes:**
*Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **12.6 Other adverse effects** *No further relevant information available.*

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** *Disposal must be made according to official regulations.*
- **Recommended cleansing agents:** *Water, if necessary together with cleansing agents.*

GB

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31


Printing date 13.09.2022

Revision: 13.09.2022

Trade name: **PICRIC ACID, REAGENT, CRYSTAL, ACS**

(Contd. of page 6)

SECTION 14: Transport information

· 14.1 UN-Number · ADR, IMDG, IATA	UN1344
· 14.2 UN proper shipping name · ADR · IMDG, IATA	1344 TRINITROPHENOL (PICRIC ACID), WETTED TRINITROPHENOL (PICRIC ACID), WETTED
· 14.3 Transport hazard class(es) · ADR, IMDG, IATA	
	
· Class · Label	4.1 Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives 4.1
· 14.4 Packing group · ADR, IMDG, IATA	I
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category · Segregation Code	Warning: Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives 60 F-B,S-J E SG7 Stow "away from" class 3 SG30 Stow "away from" SGG7-heavy metals and their salts
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	0 Code: E0 Not permitted as Excepted Quantity
· Transport category · Tunnel restriction code	I B
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	500 g Code: E4 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 500 g

(Contd. on page 8)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2022

Revision: 13.09.2022

Trade name: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Contd. of page 7)

· **UN "Model Regulation":** *UN 1344 TRINITROPHENOL (PICRIC ACID), WETTED, 4.1, I*

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*
- **Seveso category H2** *ACUTE TOXIC*
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** *50 t*
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** *200 t*
- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H201 Explosive; mass explosion hazard.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Expl. 1.1: Explosives – Division 1.1

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Fiche de données de sécurité

selon RPD, Annexe 1

Date d'impression : 09/13/2022

Révision: 09/13/2022

1 Identification

- **Identificateur de produit**
- **Nom du produit:** PICRIC ACID, REAGENT, CRYSTAL, ACS
- **Code du produit:** 19550
- **Emploi de la substance / de la préparation** Produits chimiques pour laboratoires
- **Renseignements concernant le fournisseur de la fiche de données de sécurité**
- **Producteur/fournisseur:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Service chargé des renseignements:** Product safety department
- **Numéro d'appel d'urgence:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 Identification des dangers

- **Classification de la substance ou du mélange**



GHS02 Flamme

Matières solides inflammables - catégorie 2 H228 Matière solide inflammable.



GHS06 Tête de mort sur deux tibias

Toxicité aiguë - voie orale – catégorie 3 H301 Toxique en cas d'ingestion.
Toxicité aiguë - par contact cutané – catégorie 3 H311 Toxique par contact cutané.
Toxicité aiguë - par inhalation - catégorie 3 H331 Toxique par inhalation.

- **Éléments d'étiquetage**
- **Éléments d'étiquetage SGH** Le produit est classifié et étiqueté selon le Système Général Harmonisé (GHS).
- **Pictogrammes de danger**



GHS02



GHS06

- **Mention d'avertissement** Danger
- **Composants dangereux déterminants pour l'étiquetage:**
2,4,6-trinitrophénol
- **Mentions de danger**
Matière solide inflammable.
Toxique par ingestion, par contact cutané ou par inhalation.

(suite page 2)

Fiche de données de sécurité

selon RPD, Annexe 1

Date d'impression : 09/13/2022

Révision: 09/13/2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 1)

· **Conseils de prudence**

Tenir à l'écart de la chaleur, des surfaces chaudes, des étincelles, des flammes nues et de toute autre source d'inflammation. Ne pas fumer.

Mise à la terre et liaison équipotentielle du récipient et du matériel de réception.

Utiliser du matériel [électrique/de ventilation/d'éclairage] antidéflagrant.

Éviter de respirer les poussières/fumées/gaz/brouillards/vapeurs/aérosols.

Se laver soigneusement après manipulation.

Ne pas manger, boire ou fumer en manipulant ce produit.

Utiliser seulement en plein air ou dans un endroit bien ventilé.

Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage.

EN CAS D'INGESTION: Appeler immédiatement un CENTRE ANTIPOISON/un médecin.

Rincer la bouche.

EN CAS DE CONTACT AVEC LA PEAU: Laver abondamment à l'eau.

EN CAS D'INHALATION: Transporter la personne à l'extérieur et la maintenir dans une position où elle peut confortablement respirer.

Appeler un CENTRE ANTIPOISON/un médecin.

Appeler un CENTRE ANTIPOISON/un médecin en cas de malaise.

Mesures spécifiques (voir sur cette étiquette).

Enlever immédiatement tous les vêtements contaminés.

Laver les vêtements contaminés avant réutilisation.

En cas d'incendie: Utiliser du CO₂, de la poudre d'extinction ou de l'eau pulvérisée pour l'extinction.

Stocker dans un endroit bien ventilé. Maintenir le récipient fermé de manière étanche.

Garder sous clef.

Éliminer le contenu/récipient conformément à la réglementation locale/régionale/nationale/internationale.

· **Système de classification:**

· **NFPA données (gamme 0-4)**



Santé = 2
Inflammabilité = 1
Réactivité = 0

· **HMIS données (gamme 0-4)**



Santé = 2
Inflammabilité = 1
Réactivité = 0

3 Composition/information sur les ingrédients

· **Caractérisation chimique: Mélanges**

· **Description:** Mélange des substances mentionnées à la suite avec des additifs non dangereux.

· **Composants dangereux:**

88-89-1	2,4,6-trinitrophénol	45-70%p/p *
---------	----------------------	-------------

* Les plages de concentrations réelles sont conservées en tant que secret commercial.

· **Indications complémentaires:** Pour le libellé des phrases de risque citées, se référer au chapitre 16.

CA/FR

(suite page 3)

Fiche de données de sécurité

selon RPD, Annexe 1

Date d'impression : 09/13/2022

Révision: 09/13/2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 2)

4 Premiers soins

- **Description des premiers secours**
- **Remarques générales:**
Enlever immédiatement les vêtements contaminés par le produit.
Ne retirer la protection respiratoire qu'après avoir retiré les vêtements contaminés.
Respiration artificielle dans le cas d'une respiration irrégulière ou d'un arrêt respiratoire.
- **Après inhalation:**
Donner de l'air frais ou de l'oxygène; demander d'urgence une assistance médicale.
En cas d'inconscience, coucher et transporter la personne en position latérale stable.
- **Après contact avec la peau:** Laver immédiatement à l'eau et au savon et bien rincer.
- **Après contact avec les yeux:**
Rincer les yeux, pendant plusieurs minutes, sous l'eau courante en écartant bien les paupières et consulter un médecin.
- **Après ingestion:** Ne pas faire vomir, demander d'urgence une assistance médicale.
- **Indications destinées au médecin:**
- **Principaux symptômes et effets, aigus et différés** Non disponibles.
- **Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires**
Non disponibles.

5 Mesures à prendre en cas d'incendie

- **Moyens d'extinction**
- **Moyens d'extinction:** Adapter les mesures d'extinction d'incendie à l'environnement.
- **Dangers particuliers résultant de la substance ou du mélange** Non disponibles.
- **Conseils aux pompiers**
- **Équipement spécial de sécurité:** Porter un appareil de protection respiratoire.

6 Mesures à prendre en cas de déversement accidentel

- **Précautions individuelles, équipement de protection et procédures d'urgence**
Porter un équipement de sécurité. Eloigner les personnes non protégées.
- **Précautions pour la protection de l'environnement:**
Ne pas rejeter dans les canalisations, dans les eaux de surface et dans les nappes d'eau souterraines.
- **Méthodes et matériel de confinement et de nettoyage:**
Evacuer les matériaux contaminés en tant que déchets conformément au point 13.
Assurer une aération suffisante.
- **Référence à d'autres rubriques**
Afin d'obtenir des informations pour une manipulation sûre, consulter le chapitre 7.
Afin d'obtenir des informations sur les équipements de protection personnels, consulter le chapitre 8.
Afin d'obtenir des informations sur l'élimination, consulter le chapitre 13.

7 Manutention et stockage

- **Manipulation:**
- **Précautions à prendre pour une manipulation sans danger**
Bien dépoussiérer.
Veiller à une bonne ventilation/aspiration du poste de travail.

(suite page 4)

Fiche de données de sécurité

selon RPD, Annexe 1

Date d'impression : 09/13/2022

Révision: 09/13/2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 3)

- Ouvrir et manipuler les récipients avec précaution.*
- **Préventions des incendies et des explosions:**
 - Tenir à l'abri des sources d'inflammation - ne pas fumer.*
 - Tenir à l'abri de la chaleur.*
 - Prendre des mesures contre les charges électrostatiques.*
 - Tenir des appareils de protection respiratoire prêts.*
- **Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités**
- **Stockage:**
- **Exigences concernant les lieux et conteneurs de stockage:** *Stocker dans un endroit frais.*
- **Indications concernant le stockage commun:** *Pas nécessaire.*
- **Autres indications sur les conditions de stockage:**
 - Tenir les emballages hermétiquement fermés.*
 - Stocker au frais et au sec dans des fûts bien fermés.*
 - Protéger de la forte chaleur et du rayonnement direct du soleil.*
- **Utilisation(s) finale(s) particulière(s)** *Non disponibles.*

8 Contrôle de l'exposition/ protection individuelle

- **Indications complémentaires pour l'agencement des installations techniques:**
 - Sans autre indication, voir point 7.*

- **Paramètres de contrôle**

- **Composants présentant des valeurs-seuil à surveiller par poste de travail:**

88-89-1 2,4,6-trinitrophénol

EL	TWA: 0,1 mg/m ³ S(D)
EV	STEL: 0,3 mg/m ³ TWA: 0,1 mg/m ³ peau

- **Remarques supplémentaires:**
 - Le présent document s'appuie sur les listes en vigueur au moment de son élaboration.*
- **Contrôles de l'exposition**
- **Équipement de protection individuel:**
- **Mesures générales de protection et d'hygiène:**
 - Tenir à l'écart des produits alimentaires, des boissons et de la nourriture pour animaux.*
 - Retirer immédiatement les vêtements souillés ou humectés.*
 - Se laver les mains avant les pauses et en fin de travail.*
 - Conserver à part les vêtements de protection.*
 - Éviter tout contact avec les yeux et avec la peau.*
- **Protection respiratoire:**
 - En cas d'exposition faible ou de courte durée, utiliser un filtre respiratoire; en cas d'exposition intense ou durable, utiliser un appareil de respiration indépendant de l'air ambiant.*
- **Protection des mains:**



Gants de protection

(suite page 5)

Fiche de données de sécurité

selon RPD, Annexe 1

Date d'impression : 09/13/2022

Révision: 09/13/2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 4)

Le matériau des gants doit être imperméable et résistant au produit / à la substance / à la préparation.

À cause du manque de tests, aucune recommandation pour un matériau de gants pour le produit / la préparation / le mélange de produits chimiques ne peut être donnée.

Choix du matériau des gants en fonction des temps de pénétration, du taux de perméabilité et de la dégradation.

· **Matériau des gants**

Le choix de gants appropriés dépend non seulement du matériau, mais aussi d'autres critères de qualité qui peuvent varier d'un fabricant à l'autre. Puisque le produit représente une préparation composée de plusieurs substances, la résistance des matériaux des gants ne peut pas être calculée à l'avance et doit, alors, être contrôlée avant l'utilisation.

· **Temps de pénétration du matériau des gants**

Le temps de pénétration exact est à déterminer par le fabricant des gants de protection et à respecter.

· **Protection des yeux:**



Lunettes de protection hermétiques

9 Propriétés physiques et chimiques

· **Informations sur les propriétés physiques et chimiques essentielles**

· **Indications générales**

· **Aspect:**

Forme:	Solide
Couleur:	Jaune
Odeur:	Inodore
Seuil olfactif:	Non déterminé.

· **valeur du pH:** Non applicable.

· **Changement d'état**

Point de fusion/point de congélation:	121 °C
Point initial d'ébullition et intervalle d'ébullition:	Non déterminé.

· **Point d'éclair** 150 °C

· **Inflammabilité (solide, gaz):** Facilement inflammable.

· **Température d'inflammation:** 300 °C

· **Température de décomposition:** Non déterminé.

· **Température d'auto-inflammabilité:** Le produit ne s'enflamme pas spontanément.

· **Propriétés explosives:** Non déterminé.

· **Limites d'explosion:**

Inférieure:	Non déterminé.
Supérieure:	Non déterminé.

· **Pression de vapeur à 20 °C:** 23 hPa

· **Densité à 20 °C:** 1,8 g/cm³

· **Densité relative** Non déterminé.

(suite page 6)

Fiche de données de sécurité

selon RPD, Annexe 1

Date d'impression : 09/13/2022

Révision: 09/13/2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 5)

· Densité de vapeur:	Non applicable.
· Taux d'évaporation:	Non applicable.
· Solubilité dans/miscibilité avec l'eau:	Soluble
· Coefficient de partage: n-octanol/eau:	Non déterminé.
· Viscosité:	
Dynamique:	Non applicable.
Cinématique:	Non applicable.
· Teneur en solvants:	
Teneur en substances solides:	100,0 %
· Autres informations	Non disponibles.

10 Stabilité et réactivité

- **Réactivité** Non disponibles.
- **Stabilité chimique**
- **Décomposition thermique/conditions à éviter:** Pas de décomposition en cas d'usage conforme.
- **Possibilité de réactions dangereuses** Aucune réaction dangereuse connue.
- **Conditions à éviter** Non disponibles.
- **Matières incompatibles:** Non disponibles.
- **Produits de décomposition dangereux:** Pas de produits de décomposition dangereux connus

11 Données toxicologiques

- **Informations sur les effets toxicologiques**
- **Toxicité aiguë**
- **Effet primaire d'irritation:**
- **Corrosion cutanée/irritation cutanée** Pas d'effet d'irritation.
- **Lésions oculaires graves/irritation oculaire** Pas d'effet d'irritation.
- **Sensibilisation respiratoire ou cutanée** Aucun effet de sensibilisation connu.
- **Indications toxicologiques complémentaires:**
Selon le procédé de calcul de la dernière version en vigueur de la directive générale CEE sur la classification des préparations, le produit présente les dangers suivants:
Toxique
- **Catégories cancérogènes**

· **IARC / CIRC (Centre International de Recherche sur le Cancer)**

Aucun des composants n'est compris.

· **NTP / PNT (Programme National de Toxicologie)**

Aucun des composants n'est compris.

CA/FR

(suite page 7)

Fiche de données de sécurité

selon RPD, Annexe 1

Date d'impression : 09/13/2022

Révision: 09/13/2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 6)

12 Données écologiques

- **Toxicité**
- **Toxicité aquatique:** Non disponibles.
- **Persistance et dégradabilité** Non disponibles.
- **Comportement dans les compartiments de l'environnement:**
- **Potentiel de bioaccumulation** Non disponibles.
- **Mobilité dans le sol** Non disponibles.
- **Autres indications écologiques:**
- **Indications générales:**
Catégorie de pollution des eaux 2 (D) (Classification propre): polluant
Ne pas laisser pénétrer dans la nappe phréatique, les eaux ou les canalisations.
Danger pour l'eau potable dès fuite d'une petite quantité dans le sous-sol.
- **Résultats des évaluations PBT et VPVB**
- **PBT:** Non applicable.
- **vPvB:** Non applicable.
- **Autres effets néfastes** Non disponibles.

13 Données sur l'élimination

- **Méthodes de traitement des déchets**
- **Recommandation:**
Ne doit pas être évacué avec les ordures ménagères. Ne pas laisser pénétrer dans les égouts.
- **Emballages non nettoyés:**
- **Recommandation:** Evacuation conformément aux prescriptions légales.
- **Produit de nettoyage recommandé:** Eau, éventuellement avec des produits de nettoyage

14 Informations relatives au transport

- | | |
|-------------------------------------------------------|---------------------------------------------------|
| · Numéro ONU | |
| · DOT/TMD, ADR, IMDG, IATA | UN1344 |
| · Désignation officielle de transport de l'ONU | |
| · DOT/TMD | TRINITROPHÉNOL (ACIDE PICRIQUE)
HUMIDIFIÉ |
| · ADR | 1344 TRINITROPHÉNOL (ACIDE PICRIQUE)
HUMIDIFIÉ |
| · IMDG, IATA | TRINITROPHENOL (PICRIC ACID), WETTED |

(suite page 8)

CA/FR

Fiche de données de sécurité

selon RPD, Annexe 1

Date d'impression : 09/13/2022

Révision: 09/13/2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 7)

· **Classe(s) de danger pour le transport**

· **DOT/TMD (Règlement sur le transport des marchandises dangereuses):**



· **Classe**

4.1 Matières solides inflammables, matières autoréactives, matières qui polymérisent et matières solides explosibles désensibilisées

· **Label**

4.1

· **ADR, IMDG, IATA**



· **Classe**

4.1 Matières solides inflammables, matières autoréactives, matières qui polymérisent et matières solides explosibles désensibilisées

· **Étiquette**

4.1

· **Groupe d'emballage**

· **DOT/TMD, ADR, IMDG, IATA**

I

· **Dangers pour l'environnement:**

Non applicable.

· **Précautions particulières à prendre par l'utilisateur** Attention: Matières solides inflammables, matières autoréactives, matières qui polymérisent et matières solides explosibles désensibilisées

· **Numéro d'identification du danger (Indice Kemler):**

60

· **No EMS:**

F-B,S-J

· **Stowage Category**

E

· **Segregation Code**

SG7 Stow "away from" class 3
SG30 Stow "away from" SGG7-heavy metals and their salts

· **Transport en vrac conformément à l'annexe II de la convention Marpol et au recueil IBC**

Non applicable.

· **Indications complémentaires de transport:**

· **DOT/TMD**

· **Quantity limitations**

On passenger aircraft/rail: 25 kg
On cargo aircraft only: 100 kg

· **ADR**

· **Quantités limitées (LQ)**

0

· **Quantités exceptées (EQ)**

Code: E0

Non autorisé en tant que quantité exceptée

· **Catégorie de transport**

I

· **Code de restriction en tunnels**

B

(suite page 9)

Fiche de données de sécurité

selon RPD, Annexe 1

Date d'impression : 09/13/2022

Révision: 09/13/2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 8)

· IMDG	
· Limited quantities (LQ)	500 g
· Excepted quantities (EQ)	Code: E4
	Maximum net quantity per inner packaging: 1 g
	Maximum net quantity per outer packaging: 500 g
· "Règlement type" de l'ONU:	UN 1344 TRINITROPHENOL (PICRIC ACID), WETTED, 4.1, 1

15 Informations sur la réglementation

- **Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement**

- **TSCA (Loi sur le contrôle des substances toxiques)**

Tous les composants ont la valeur ACTIVE.

- **Liste canadienne des substances**

- **Liste des substances domestiques (DSL) du Canada**

Tous les composants sont compris.

- **Liste extérieure des substances (LES) du Canada**

Aucun des composants n'est compris.

- **Liste de divulgation des ingrédients du Canada (limite 0.1%)**

Aucun des composants n'est compris.

- **Liste de divulgation des ingrédients du Canada (limite 1%)**

Tous les composants sont compris.

- **Informations de danger relatives au produit:**

Le produit est classé et identifié suivant les directives sur les Produits dangereux

- **Éléments d'étiquetage SGH** Le produit est classifié et étiqueté selon le Système Général Harmonisé (GHS).
- **Pictogrammes de danger**



GHS02 GHS06

- **Mention d'avertissement** Danger

- **Composants dangereux déterminants pour l'étiquetage:**

2,4,6-trinitrophénol

- **Mentions de danger**

Matière solide inflammable.

Toxique par ingestion, par contact cutané ou par inhalation.

- **Conseils de prudence**

Tenir à l'écart de la chaleur, des surfaces chaudes, des étincelles, des flammes nues et de toute autre source d'inflammation. Ne pas fumer.

Mise à la terre et liaison équipotentielle du récipient et du matériel de réception.

Utiliser du matériel [électrique/de ventilation/d'éclairage] antidéflagrant.

Éviter de respirer les poussières/fumées/gaz/brouillards/vapeurs/aérosols.

(suite page 10)

Fiche de données de sécurité

selon RPD, Annexe 1

Date d'impression : 09/13/2022

Révision: 09/13/2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 9)

Se laver soigneusement après manipulation.

Ne pas manger, boire ou fumer en manipulant ce produit.

Utiliser seulement en plein air ou dans un endroit bien ventilé.

Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage.

EN CAS D'INGESTION: Appeler immédiatement un CENTRE ANTIPOISON/un médecin.

Rincer la bouche.

EN CAS DE CONTACT AVEC LA PEAU: Laver abondamment à l'eau.

EN CAS D'INHALATION: Transporter la personne à l'extérieur et la maintenir dans une position où elle peut confortablement respirer.

Appeler un CENTRE ANTIPOISON/un médecin.

Appeler un CENTRE ANTIPOISON/un médecin en cas de malaise.

Mesures spécifiques (voir sur cette étiquette).

Enlever immédiatement tous les vêtements contaminés.

Laver les vêtements contaminés avant réutilisation.

En cas d'incendie: Utiliser du CO₂, de la poudre d'extinction ou de l'eau pulvérisée pour l'extinction.

Stocker dans un endroit bien ventilé. Maintenir le récipient fermé de manière étanche.

Garder sous clef.

Éliminer le contenu/récipient conformément à la réglementation locale/régionale/nationale/internationale.

· Évaluation de la sécurité chimique: Une évaluation de la sécurité chimique n'a pas été réalisée.

16 Autres informations

Ces indications sont fondées sur l'état actuel de nos connaissances, mais ne constituent pas une garantie quant aux propriétés du produit et ne donnent pas lieu à un rapport juridique contractuel.

· Contact:

· Date de la plus récente version révisée de la fiche de données de sécurité 09/13/2022 / -

· Acronymes et abréviations:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 13.09.2022

Herziening van: 13.09.2022

RUBRIEK 1: Identificatie van de stof of het mengsel en van de vennootschap/onderneming

· 1.1 Productidentificatie

· **Handelsnaam:** PICRIC ACID, REAGENT, CRYSTAL, ACS

· **Artikelnummer:** 19550

· **UFI:** JJ40-00C3-800T-W4GT

· 1.2 Relevant geïdentificeerd gebruik van de stof of het mengsel en ontraden gebruik

Geen verdere relevante informatie verkrijgbaar.

· **Toepassing van de stof / van de bereiding** Laboratoriumchemicaliën

· 1.3 Details betreffende de verstrekker van het veiligheidsinformatieblad

· **Fabrikant/leverancier:**

Electron Microscopy Sciences

1560 Industry Road

USA-Hatfield, PA 19440

Tel: 215-412-8400 Fax: 215-412-8450

email: info@emsdiasum.com

www.emsdiasum.com

Aurion

Binnenhaven 5

6709 PD Wageningen

The Netherlands

Tel: 31 317 415094

Fax: 31 317 415955

email: info@aurion.nl

· **Inlichtingengevende sector:** Product safety department

· 1.4 Telefoonnummer voor noodgevallen:

ChemTrec 1-800-424-9300 Contract CCN7661

1-703-527-3887

RUBRIEK 2: Identificatie van de gevaren

· 2.1 Indeling van de stof of het mengsel

· **Indeling overeenkomstig Verordening (EG) nr. 1272/2008**



GHS02 vlam

Flam. Sol. 2 H228 Ontvlambare vaste stof.



GHS06 doodshoofd met gekruiste beenderen

Acute Tox. 3 H301 Giftig bij inslikken.

Acute Tox. 3 H311 Giftig bij contact met de huid.

Acute Tox. 3 H331 Giftig bij inademing.

· 2.2 Etiketteringselementen

· **Etikettering overeenkomstig Verordening (EG) nr. 1272/2008**

Het product is geclassificeerd en geëtiketteerd volgens de CLP-verordening.

(Vervolg op blz. 2)

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 13.09.2022

Herziening van: 13.09.2022

Handelsnaam: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Vervolg van blz. 1)

· Gevarenpictogrammen


GHS02 GHS06

· Signaalwoord Gevaar

· Gevaaraanduidende componenten voor de etikettering:

2,4,6-trinitrofenol

· Gevarenaanduidingen

H228 Ontvlambare vaste stof.

H301+H311+H331 Giftig bij inslikken, bij contact met de huid en bij inademing.

· Veiligheidsaanbevelingen

P301+P310 NA INSLIKKEN: onmiddellijk een ANTIGIFCENTRUM/arts raadplegen.

P321 Specifieke behandeling vereist (zie op dit etiket).

P330 De mond spoelen.

P361+P364 Verontreinigde kleding onmiddellijk uittrekken en wassen alvorens deze opnieuw te gebruiken.

P405 Achter slot bewaren.

P501 De inhoud en de verpakking verwerken volgens de plaatselijke/regionale/nationale/internationale voorschriften.

· 2.3 Andere gevaren
· Resultaten van PBT- en zPzB-beoordeling
· PBT: Niet bruikbaar.

· zPzB: Niet bruikbaar.

RUBRIEK 3: Samenstelling en informatie over de bestanddelen

· 3.2 Chemische karakterisering: Mengsels
· Beschrijving: Mengsel van na elkaar aangevoerde stoffen met ongevaarlijke bijmengingen.

· Gevaarlijke inhoudstoffen:

CAS: 88-89-1	2,4,6-trinitrofenol	>50-≤100%
EINECS: 201-865-9	Expl. 1.1, H201; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	

· Aanvullende gegevens:

De woordelijke inhoud van de opgegeven aanwijzingen inzake de mogelijke gevaren is te vinden in hoofdstuk 16.

RUBRIEK 4: Eerstehulpmaatregelen

· 4.1 Beschrijving van de eerstehulpmaatregelen
· Algemene informatie:

Verontreinigde kleding onmiddellijk uittrekken.

Ademhalingstoestel pas afnemen nadat de verontreinigde kleding verwijderd is.

Bij onregelmatige ademhaling of ademstilstand kunstmatige ademhaling toepassen.

· Na het inademen:

Verse lucht of zuurstof toedienen; deskundige medische hulp inroepen.

Bij bewusteloosheid ligging en vervoer in stabiele zijligging.

(Vervolg op blz. 3)

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 13.09.2022

Herziening van: 13.09.2022

Handelsnaam: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Vervolg van blz. 2)

- **Na huidcontact:** Onmiddellijk met water en zeep afwassen en goed naspoelen.
- **Na oogcontact:**
Ogen met open ooglid een aantal minuten onder stromend water afspoelen en dokter raadplegen.
- **Na inslikken:** Geen braken teweegbrengen en onmiddellijk medische hulp raadplegen.
- **4.2 Belangrijkste acute en uitgestelde symptomen en effecten**
Geen verdere relevante informatie verkrijgbaar.
- **4.3 Vermelding van de vereiste onmiddellijke medische verzorging en speciale behandeling**
Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 5: Brandbestrijdingsmaatregelen

- **5.1 Blusmiddelen**
- **Geschikte blusmiddelen:** Brandblusmaatregelen op omgeving afstemmen.
- **5.2 Speciale gevaren die door de stof of het mengsel worden veroorzaakt**
Geen verdere relevante informatie verkrijgbaar.
- **5.3 Advies voor brandweertieners**
- **Speciale beschermende kleding:** Ademhalingstoestel aantrekken.

RUBRIEK 6: Maatregelen bij het accidenteel vrijkomen van de stof of het mengsel

- **6.1 Persoonlijke voorzorgsmaatregelen, beschermingsmiddelen en noodprocedures**
Beschermende kleding aantrekken. Niet beschermde personen op afstand houden.
- **6.2 Milieuvoorzorgsmaatregelen:**
Niet in de riolering/het oppervlaktewater/het grondwater laten terechtkomen.
- **6.3 Insluitings- en reinigingsmethoden en -materiaal:**
Besmet materiaal zoals afval volgens punt 13 verwijderen.
Voor voldoende ventilatie zorgen.
- **6.4 Verwijzing naar andere rubrieken**
Informatie inzake veilig gebruik - zie hoofdstuk 7.
Informatie inzake persoonlijke beschermingsuitrusting - zie hoofdstuk 8.
Informatie inzake berging - zie hoofdstuk 13.

RUBRIEK 7: Hantering en opslag

- **7.1 Voorzorgsmaatregelen voor het veilig hanteren van de stof of het mengsel**
Goed stofvrij maken.
Voor goede ventilatie/afzuiging op de werkplaatsen zorgen.
Tanks voorzichtig openen en behandelen.
- **Informatie m.b.t. brand- en ontploffingsgevaar:**
Onststekingsbronnen op afstand houden - niet roken.
Beschermen tegen hitte.
Maatregelen treffen tegen ontlading van statische elektriciteit.
Ademhalingstoestellen gereedhouden.
- **7.2 Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten**
- **Opslag:**
- **Eisen ten opzichte van opslagruimte en tanks:** Op een koele plaats bewaren.
- **Informatie m.b.t. gezamenlijke opslag:** Niet noodzakelijk.

(Vervolg op blz. 4)

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 13.09.2022

Herziening van: 13.09.2022

Handelsnaam: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Vervolg van blz. 3)

- **Verdere inlichtingen over eisen m.b.t. de opslag:**
Tanks ondoordringbaar gesloten houden.
Koel en droog bewaren in goed gesloten vaten.
Tegen hitte en directe zonnestralen beschermen.
- **7.3 Specifiek eindgebruik** Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 8: Maatregelen ter beheersing van blootstelling/persoonlijke bescherming

- **8.1 Controleparameters**
- **Aanvullende gegevens m.b.t. de inrichting van technische installaties:** Geen aanvullende gegevens. Zie 7.

- **Bestanddelen met grenswaarden die m.b.t. de werkruimte in acht genomen moeten worden:**

88-89-1 2,4,6-trinitrofenol

WGW | Lange termijn waarde: 0,1 mg/m³

- **Aanvullende gegevens:** Als basis dienden lijsten die bij opstelling geldig waren.
- **8.2 Maatregelen ter beheersing van blootstelling**
- **Persoonlijke beschermingsvoorzieningen:**
- **Algemene beschermings- en gezondheidsmaatregelen:**
Verwijderd houden van eet- en drinkwaren.
Verontreinigde kleding onmiddellijk uittrekken.
Vóór de pauze en aan het einde van werktijd handen wassen.
Beschermende kleding afzonderlijk bewaren.
Aanraking met de ogen en de huid vermijden.
- **Ademhalingsbescherming:**
Bij korte of geringe belasting ademfiltertoestel; bij intensieve resp. langdurige expositie een van de omringende lucht onafhankelijk ademhalingstoestel gebruiken.
- **Handbescherming:**



Veiligheidshandschoenen

Het handschoenmateriaal moet ondoorlatend en bestand zijn tegen het product / de stof / de bereiding.
Op grond van falende testen kan geen aanbeveling voor handschoenmateriaal voor het product / de bereiding / het chemicaliënmengsel afgegeven worden.

Kies handschoenmateriaal rekening houdend met de penetratietijden, de permeatiegraden en de degradatie.

- **Handschoenmateriaal**

De keuze van een geschikte handschoen is niet alleen afhankelijk van het materiaal, maar ook van andere kwaliteitskenmerken en verschilt van fabrikant tot fabrikant. Aangezien het product uit meerdere stoffen is samengesteld, is de duurzaamheid van de handschoenmaterialen niet vooraf berekenbaar en moet derhalve vóór het gebruik worden getest.

- **Doordringingstijd van het handschoenmateriaal**

De precieze penetratietijd kunt u te weten komen bij de handschoenfabrikant; houd er rekening mee.

(Vervolg op blz. 5)

NL

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 13.09.2022

Herziening van: 13.09.2022

Handelsnaam: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Vervolg van blz. 4)

· **Oogbescherming:**



Nauw aansluitende veiligheidsbril

RUBRIEK 9: Fysische en chemische eigenschappen

· **9.1 Informatie over fysische en chemische basiseigenschappen**

· **Algemene gegevens**

· **Voorkomen:**

· Vorm:	Vast
· Kleur:	Geel
· Geur:	Reukloos
· Geurdrempelwaarde:	Niet bepaald.

· **pH-waarde:** Niet bruikbaar.

· **Toestandsverandering**

· Smelt-/vriespunt:	121 °C
· Beginkookpunt en kooktraject:	Niet bepaald.

· **Vlampunt:** 150 °C

· **Ontvlambaarheid (vast, gas):** Licht ontvlambaar.

· **Ontstekingstemperatuur:** 300 °C

· **Ontledingstemperatuur:** Niet bepaald.

· **Zelfontbrandingstemperatuur:** Het produkt ontbrandt niet uit zichzelf.

· **Ontploffingseigenschappen:** Niet bepaald.

· **Ontploffingsgrenzen:**

· Onderste:	Niet bepaald.
· Bovenste:	Niet bepaald.

· **Dampspanning bij 20 °C:** 23 hPa

· Dichtheid bij 20 °C:	1,8 g/cm ³
· Relatieve dichtheid	Niet bepaald.
· Dampdichtheid	Niet bruikbaar.
· Verdampingssnelheid	Niet bruikbaar.

· **Oplosbaarheid in/mengbaarheid met**

· **Water:** Oplosbaar.

· **Verdelingscoëfficiënt: n-octanol/water:** Niet bepaald.

· **Viscositeit**

· Dynamisch:	Niet bruikbaar.
· Kinematisch:	Niet bruikbaar.

(Vervolg op blz. 6)

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 13.09.2022

Herziening van: 13.09.2022

Handelsnaam: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Vervolg van blz. 5)

· **Oplosmiddelgehalte:**

Gehalte aan vaste bestanddelen: 100,0 %

· **9.2 Overige informatie** Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 10: Stabiliteit en reactiviteit

- **10.1 Reactiviteit** Geen verdere relevante informatie verkrijgbaar.
- **10.2 Chemische stabiliteit**
- **Thermische afbraak / te vermijden omstandigheden:** Geen afbraak bij gebruik volgens voorschrift.
- **10.3 Mogelijke gevaarlijke reacties** Geen gevaarlijke reacties bekend.
- **10.4 Te vermijden omstandigheden** Geen verdere relevante informatie verkrijgbaar.
- **10.5 Chemisch op elkaar inwerkende materialen:** Geen verdere relevante informatie verkrijgbaar.
- **10.6 Gevaarlijke ontledingsproducten:** Geen gevaarlijke ontbindingsproducten bekend.

RUBRIEK 11: Toxicologische informatie

- **11.1 Informatie over toxicologische effecten**
- **Acute toxiciteit**
Giftig bij inslikken, bij contact met de huid en bij inademing.
- **Primaire aandoening:**
- **Huidcorrosie/-irritatie** Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- **Ernstig oogletsel/oogirritatie** Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- **Sensibilisatie van de luchtwegen/de huid**
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- **Aanvullende toxicologische informatie:**
- **CMR-effecten (kankerverwekkendheid, mutageniteit en giftigheid voor de voortplanting)**
- **Mutageniteit in geslachtscellen**
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- **Kankerverwekkendheid** Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- **Giftigheid voor de voortplanting**
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- **STOT bij eenmalige blootstelling**
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- **STOT bij herhaalde blootstelling**
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- **Gevaar bij inademing** Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

RUBRIEK 12: Ecologische informatie

- **12.1 Toxiciteit**
- **Aquatische toxiciteit:** Geen verdere relevante informatie verkrijgbaar.
- **12.2 Persistentie en afbreekbaarheid** Geen verdere relevante informatie verkrijgbaar.
- **12.3 Bioaccumulatie** Geen verdere relevante informatie verkrijgbaar.
- **12.4 Mobiliteit in de bodem** Geen verdere relevante informatie verkrijgbaar.

(Vervolg op blz. 7)

NL

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 13.09.2022

Herziening van: 13.09.2022

Handelsnaam: PICRIC ACID, REAGENT, CRYSTAL, ACS


(Vervolg van blz. 6)

- **Verdere ecologische informatie:**
- **Algemene informatie:**
 - Waterbezwaarlijkheid (NL): B(4) Weinig schadelijk voor in water levende organismen
 - Gevaar voor water klasse 2 (D) (Zelfclassificatie): gevaar voor water
 - Niet lozen in grondwater, in oppervlaktewater of in riolering.
 - Gevaar voor drinkwater zelfs bij uitlopen van geringe hoeveelheden in de ondergrond.
- **12.5 Resultaten van PBT- en zPzB-beoordeling**
- **PBT:** Niet bruikbaar.
- **zPzB:** Niet bruikbaar.
- **12.6 Andere schadelijke effecten** Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 13: Instructies voor verwijdering

- **13.1 Afvalverwerkingsmethoden**
- **Aanbeveling:** Mag niet tesamen met huisvuil gestort worden of in de riolering terechtkomen.
- **Niet gereinigde verpakkingen:**
- **Aanbeveling:** Afvalverwijdering volgens overheidsbepalingen.
- **Aanbevolen reinigingsmiddel:** Water, eventueel met toevoeging van reinigingsmiddelen.

RUBRIEK 14: Informatie met betrekking tot het vervoer

- | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| · 14.1 VN-nummer | |
| · ADR, IMDG, IATA | UN1344 |
| · 14.2 Juiste ladingnaam overeenkomstig de modelreglementen van de VN | |
| · ADR | 1344 TRINITROFENOL (PIKRINEZUUR), BEVOCHTIGD |
| · IMDG, IATA | TRINITROPHENOL (PICRIC ACID), WETTED |
| · 14.3 Transportgevaarenklasse(n) | |
| · ADR, IMDG, IATA | |
|  | |
| · klasse | 4.1 Brandbare vaste stoffen, polymeriserende stoffen, zelfontledende stoffen en vaste ontplofbare stoffen in niet explosieve toestand |
| · Etiket | 4.1 |
| · 14.4 Verpakkingsgroep: | |
| · ADR, IMDG, IATA | I |
| · 14.5 Milieugevaren: | Niet bruikbaar. |
| · 14.6 Bijzondere voorzorgen voor de gebruiker | Waarschuwing: Brandbare vaste stoffen, polymeriserende stoffen, zelfontledende stoffen en vaste ontplofbare stoffen in niet explosieve toestand |
| · Gevaarsidentificatienummer (Kemler-getal): | 60 |

(Vervolg op blz. 8)

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 13.09.2022

Herziening van: 13.09.2022

Handelsnaam: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Vervolg van blz. 7)

· EMS-nummer:	F-B,S-J
· Stowage Category	E
· Segregation Code	SG7 Stow "away from" class 3 SG30 Stow "away from" SGG7-heavy metals and their salts
· 14.7 Vervoer in bulk overeenkomstig bijlage II bij Marpol en de IBC-code	Niet bruikbaar.
· Transport/verdere gegevens:	
· ADR	
· Beperkte hoeveelheden (LQ)	0
· Uitzonderde hoeveelheden (EQ)	Code: E0 Niet toegestaan als vrijgestelde hoeveelheid
· Vervoerscategorie	1
· Tunnelbeperkingscode	B
· IMDG	
· Limited quantities (LQ)	500 g
· Excepted quantities (EQ)	Code: E4 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 500 g
· VN "Model Regulation":	UN 1344 TRINITROFENOL (PIKRINEZUUR), BEVOCHTIGD, 4.1, I

RUBRIEK 15: Regelgeving

· **15.1 Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel**

· **SZW-lijst van kankerverwekkende stoffen**

geen der bestanddelen staat op de lijst.

· **SZW-lijst van mutagene stoffen**

geen der bestanddelen staat op de lijst.

· **NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid**

geen der bestanddelen staat op de lijst.

· **NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling**

geen der bestanddelen staat op de lijst.

· **NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding**

geen der bestanddelen staat op de lijst.

· **Lijst Zeer Zorgwekkende Stoffen (ZZS)**

geen der bestanddelen staat op de lijst.

· **Lijst van Potentieel Zeer Zorgwekkende Stoffen**

geen der bestanddelen staat op de lijst.

· **Richtlijn 2012/18/EU**

· **Gevaarlijke stoffen die met naam genoemd worden - BIJLAGE I** geen der bestanddelen staat op de lijst.

(Vervolg op blz. 9)

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 13.09.2022

Herziening van: 13.09.2022

Handelsnaam: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Vervolg van blz. 8)

- **Seveso-categorie H2 ACUUT TOXISCH**
- **Drempelwaarde (ton) voor toepassing van voorschriften voor lagedrempelinrichtingen 50 t**
- **Drempelwaarde (ton) voor toepassing van voorschriften voor hogedrempelinrichtingen 200 t**
- **Richtlijn 2011/65/EU betreffende beperking van het gebruik van bepaalde gevaarlijke stoffen in elektrische en elektronische apparatuur - Bijlage II**
geen der bestanddelen staat op de lijst.
- **VERORDENING (EU) 2019/1148**
- **Bijlage I - PRECURSOREN VOOR EXPLOSIEVEN WAARVOOR EEN BEPERKING GELDT (Bovengrenswaarde ten behoeve van vergunningverlening op grond van artikel 5, lid 3)**
geen der bestanddelen staat op de lijst.
- **Bijlage II - PRECURSOREN VOOR EXPLOSIEVEN DIE MOETEN WORDEN GEMELD**
geen der bestanddelen staat op de lijst.
- **Verordening (EG) nr. 273/2004 inzake drugsprecursoren**
geen der bestanddelen staat op de lijst.
- **Verordening (EG) Nr. 111/2005 houdende voorschriften voor het toezicht op de handel tussen de Gemeenschap en derde landen in drugsprecursoren**
geen der bestanddelen staat op de lijst.
- **Nationale voorschriften:**
- **Gevaarklasse v. water:**
Waterbezwaarlijkheid (NL): B(4) Weinig schadelijk voor in water levende organismen
- **15.2 Chemischeveiligheidsbeoordeling:** Een chemische veiligheidsbeoordeling is niet uitgevoerd.

RUBRIEK 16: Overige informatie

Deze gegevens zijn gebaseerd op de huidige stand van onze kennis. Zij beschrijven echter geen garantie van produkteigenschappen en vestigen geen contractuele rechtsbetrekking.

- **Relevante zinnen**
H201 Ontpofbare stof; gevaar voor massa-explosie.
H301 Giftig bij inslikken.
H311 Giftig bij contact met de huid.
H331 Giftig bij inademing.
- **Afkortingen en acroniemen:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Expl. 1.1: Ontpofbare stoffen – Subklasse 1.1
Flam. Sol. 2: Ontvlambare vaste stoffen – Categorie 2
Acute Tox. 3: Acute toxiciteit – Categorie 3

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 13.09.2022

Révision: 13.09.2022

RUBRIQUE 1: Identification de la substance/du mélange et de la société/l'entreprise

- **1.1 Identificateur de produit**
- **Nom du produit:** *PICRIC ACID, REAGENT, CRYSTAL, ACS*
- **Code du produit:** *19550*
- **UFI:** *JJ40-00C3-800T-W4GT*
- **1.2 Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées**
Pas d'autres informations importantes disponibles.
- **Emploi de la substance / de la préparation** *Produits chimiques pour laboratoires*
- **1.3 Renseignements concernant le fournisseur de la fiche de données de sécurité**
- **Producteur/fournisseur:**
*Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com*
- **Service chargé des renseignements:** *Product safety department*
- **1.4 Numéro d'appel d'urgence:**
*ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887*

RUBRIQUE 2: Identification des dangers

- **2.1 Classification de la substance ou du mélange**
- **Classification selon le règlement (CE) n° 1272/2008**



GHS02 flamme

Flam. Sol. 2 H228 Matière solide inflammable.



GHS06 tête de mort sur deux tibias

Acute Tox. 3 H301 Toxique en cas d'ingestion.

Acute Tox. 3 H311 Toxique par contact cutané.

Acute Tox. 3 H331 Toxique par inhalation.

- **2.2 Éléments d'étiquetage**
- **Étiquetage selon le règlement (CE) n° 1272/2008**
Le produit est classifié et étiqueté selon le règlement CLP.
- **Pictogrammes de danger**



GHS02 GHS06

- **Mention d'avertissement** *Danger*

(suite page 2)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 13.09.2022

Révision: 13.09.2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 1)

- **Composants dangereux déterminants pour l'étiquetage:**
2,4,6-trinitrophénol
- **Mentions de danger**
H228 Matière solide inflammable.
H301+H311+H331 Toxique par ingestion, par contact cutané ou par inhalation.
- **Conseils de prudence**
P301+P310 EN CAS D'INGESTION: Appeler immédiatement un CENTRE ANTIPOISON/un médecin.
P321 Traitement spécifique (voir sur cette étiquette).
P330 Rincer la bouche.
P361+P364 Enlever immédiatement tous les vêtements contaminés et les laver avant réutilisation.
P405 Garder sous clef.
P501 Éliminer le contenu/récipient conformément à la réglementation locale/régionale/nationale/internationale.
- **2.3 Autres dangers**
- **Résultats des évaluations PBT et vPvB**
- **PBT:** Non applicable.
- **vPvB:** Non applicable.

RUBRIQUE 3: Composition/informations sur les composants

- **3.2 Caractérisation chimique: Mélanges**
- **Description:** Mélange des substances mentionnées à la suite avec des additifs non dangereux.

· **Composants dangereux:**

CAS: 88-89-1	2,4,6-trinitrophénol	>50-≤100%
EINECS: 201-865-9	⚠ Expl. 1.1, H201; ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	

- **Indications complémentaires:** Pour le libellé des phrases de risque citées, se référer au chapitre 16.

RUBRIQUE 4: Premiers secours

- **4.1 Description des premiers secours**
- **Remarques générales:**
Enlever immédiatement les vêtements contaminés par le produit.
Ne retirer la protection respiratoire qu'après avoir retiré les vêtements contaminés.
Respiration artificielle dans le cas d'une respiration irrégulière ou d'un arrêt respiratoire.
- **Après inhalation:**
Donner de l'air frais ou de l'oxygène; demander d'urgence une assistance médicale.
En cas d'inconscience, coucher et transporter la personne en position latérale stable.
- **Après contact avec la peau:** Laver immédiatement à l'eau et au savon et bien rincer.
- **Après contact avec les yeux:**
Rincer les yeux, pendant plusieurs minutes, sous l'eau courante en écartant bien les paupières et consulter un médecin.
- **Après ingestion:** Ne pas faire vomir, demander d'urgence une assistance médicale.
- **4.2 Principaux symptômes et effets, aigus et différés** Pas d'autres informations importantes disponibles.
- **4.3 Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires**
Pas d'autres informations importantes disponibles.

FR

(suite page 3)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 13.09.2022

Révision: 13.09.2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 2)

RUBRIQUE 5: Mesures de lutte contre l'incendie

- **5.1 Moyens d'extinction**
- **Moyens d'extinction:** Adapter les mesures d'extinction d'incendie à l'environnement.
- **5.2 Dangers particuliers résultant de la substance ou du mélange**
Pas d'autres informations importantes disponibles.
- **5.3 Conseils aux pompiers**
- **Équipement spécial de sécurité:** Porter un appareil de protection respiratoire.

RUBRIQUE 6: Mesures à prendre en cas de dispersion accidentelle

- **6.1 Précautions individuelles, équipement de protection et procédures d'urgence**
Porter un équipement de sécurité. Eloigner les personnes non protégées.
- **6.2 Précautions pour la protection de l'environnement:**
Ne pas rejeter dans les canalisations, dans les eaux de surface et dans les nappes d'eau souterraines.
- **6.3 Méthodes et matériel de confinement et de nettoyage:**
Evacuer les matériaux contaminés en tant que déchets conformément au point 13.
Assurer une aération suffisante.
- **6.4 Référence à d'autres rubriques**
Afin d'obtenir des informations pour une manipulation sûre, consulter le chapitre 7.
Afin d'obtenir des informations sur les équipements de protection personnels, consulter le chapitre 8.
Afin d'obtenir des informations sur l'élimination, consulter le chapitre 13.

RUBRIQUE 7: Manipulation et stockage

- **7.1 Précautions à prendre pour une manipulation sans danger**
Bien dépoussiérer.
Veiller à une bonne ventilation/aspiration du poste de travail.
Ouvrir et manipuler les récipients avec précaution.
- **Préventions des incendies et des explosions:**
Tenir à l'abri des sources d'inflammation - ne pas fumer.
Tenir à l'abri de la chaleur.
Prendre des mesures contre les charges électrostatiques.
Tenir des appareils de protection respiratoire prêts.
- **7.2 Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités**
- **Stockage:**
- **Exigences concernant les lieux et conteneurs de stockage:** Stocker dans un endroit frais.
- **Indications concernant le stockage commun:** Pas nécessaire.
- **Autres indications sur les conditions de stockage:**
Tenir les emballages hermétiquement fermés.
Stocker au frais et au sec dans des fûts bien fermés.
Protéger de la forte chaleur et du rayonnement direct du soleil.
- **7.3 Utilisation(s) finale(s) particulière(s)** Pas d'autres informations importantes disponibles.

FR

(suite page 4)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 13.09.2022

Révision: 13.09.2022

Nom du produit: **PICRIC ACID, REAGENT, CRYSTAL, ACS**

(suite de la page 3)

RUBRIQUE 8: Contrôles de l'exposition/protection individuelle

- **8.1 Paramètres de contrôle**
- **Indications complémentaires pour l'agencement des installations techniques:**
Sans autre indication, voir point 7.

- **Composants présentant des valeurs-seuil à surveiller par poste de travail:**

88-89-1 2,4,6-trinitrophénol	
VLEP	Valeur à long terme: 0,1 mg/m ³ Risque de pénétration percutanée

- **Remarques supplémentaires:**

Le présent document s'appuie sur les listes en vigueur au moment de son élaboration.

- **8.2 Contrôles de l'exposition**

- **Equipement de protection individuel:**

- **Mesures générales de protection et d'hygiène:**

Tenir à l'écart des produits alimentaires, des boissons et de la nourriture pour animaux.

Retirer immédiatement les vêtements souillés ou humectés.

Se laver les mains avant les pauses et en fin de travail.

Conserver à part les vêtements de protection.

Eviter tout contact avec les yeux et avec la peau.

- **Protection respiratoire:**

En cas d'exposition faible ou de courte durée, utiliser un filtre respiratoire; en cas d'exposition intense ou durable, utiliser un appareil de respiration indépendant de l'air ambiant.

- **Protection des mains:**



Gants de protection

Le matériau des gants doit être imperméable et résistant au produit / à la substance / à la préparation.

À cause du manque de tests, aucune recommandation pour un matériau de gants pour le produit / la préparation / le mélange de produits chimiques ne peut être donnée.

Choix du matériau des gants en fonction des temps de pénétration, du taux de perméabilité et de la dégradation.

- **Matériau des gants**

Le choix de gants appropriés dépend non seulement du matériau, mais aussi d'autres critères de qualité qui peuvent varier d'un fabricant à l'autre. Puisque le produit représente une préparation composée de plusieurs substances, la résistance des matériaux des gants ne peut pas être calculée à l'avance et doit, alors, être contrôlée avant l'utilisation.

- **Temps de pénétration du matériau des gants**

Le temps de pénétration exact est à déterminer par le fabricant des gants de protection et à respecter.

- **Protection des yeux:**



Lunettes de protection hermétiques

FR

(suite page 5)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 13.09.2022

Révision: 13.09.2022

Nom du produit: **PICRIC ACID, REAGENT, CRYSTAL, ACS**

(suite de la page 4)

RUBRIQUE 9: Propriétés physiques et chimiques

· **9.1 Informations sur les propriétés physiques et chimiques essentielles**

· **Indications générales**

· **Aspect:**

Forme: Solide

Couleur: Jaune

· **Odeur:** Inodore

· **Seuil olfactif:** Non déterminé.

· **valeur du pH:** Non applicable.

· **Changement d'état**

Point de fusion/point de congélation: 121 °C

Point initial d'ébullition et intervalle d'ébullition: Non déterminé.

· **Point d'éclair** 150 °C

· **Inflammabilité (solide, gaz):** Facilement inflammable.

· **Température d'inflammation:** 300 °C

· **Température de décomposition:** Non déterminé.

· **Température d'auto-inflammabilité:** Le produit ne s'enflamme pas spontanément.

· **Propriétés explosives:** Non déterminé.

· **Limites d'explosion:**

Inférieure: Non déterminé.

Supérieure: Non déterminé.

· **Pression de vapeur à 20 °C:** 23 hPa

· **Densité à 20 °C:** 1,8 g/cm³

· **Densité relative** Non déterminé.

· **Densité de vapeur:** Non applicable.

· **Taux d'évaporation:** Non applicable.

· **Solubilité dans/miscibilité avec l'eau:**

Soluble

· **Coefficient de partage: n-octanol/eau:** Non déterminé.

· **Viscosité:**

Dynamique: Non applicable.

Cinématique: Non applicable.

· **Teneur en solvants:**

Teneur en substances solides: 100,0 %

· **9.2 Autres informations** Pas d'autres informations importantes disponibles.

RUBRIQUE 10: Stabilité et réactivité

· **10.1 Réactivité** Pas d'autres informations importantes disponibles.

(suite page 6)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 13.09.2022

Révision: 13.09.2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 5)

- **10.2 Stabilité chimique**
- **Décomposition thermique/conditions à éviter:** Pas de décomposition en cas d'usage conforme.
- **10.3 Possibilité de réactions dangereuses** Aucune réaction dangereuse connue.
- **10.4 Conditions à éviter** Pas d'autres informations importantes disponibles.
- **10.5 Matières incompatibles:** Pas d'autres informations importantes disponibles.
- **10.6 Produits de décomposition dangereux:** Pas de produits de décomposition dangereux connus

RUBRIQUE 11: Informations toxicologiques

- **11.1 Informations sur les effets toxicologiques**
- **Toxicité aiguë**
Toxique par ingestion, par contact cutané ou par inhalation.
- **Effet primaire d'irritation:**
- **Corrosion cutané/irritation cutanée**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Lésions oculaires graves/irritation oculaire**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Sensibilisation respiratoire ou cutanée**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Indications toxicologiques complémentaires:**
- **Effets CMR (cancérogène, mutagène et toxique pour la reproduction)**
- **Mutagenicité sur les cellules germinales**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Cancérogénicité** Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Toxicité pour la reproduction**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Toxicité spécifique pour certains organes cibles - exposition unique**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Toxicité spécifique pour certains organes cibles - exposition répétée**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Danger par aspiration**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

RUBRIQUE 12: Informations écologiques

- **12.1 Toxicité**
- **Toxicité aquatique:** Pas d'autres informations importantes disponibles.
- **12.2 Persistance et dégradabilité** Pas d'autres informations importantes disponibles.
- **12.3 Potentiel de bioaccumulation** Pas d'autres informations importantes disponibles.
- **12.4 Mobilité dans le sol** Pas d'autres informations importantes disponibles.
- **Autres indications écologiques:**
- **Indications générales:**
Catégorie de pollution des eaux 2 (D) (Classification propre): polluant
Ne pas laisser pénétrer dans la nappe phréatique, les eaux ou les canalisations.
Danger pour l'eau potable dès fuite d'une petite quantité dans le sous-sol.
- **12.5 Résultats des évaluations PBT et VPVB**
- **PBT:** Non applicable.
- **vPvB:** Non applicable.

(suite page 7)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 13.09.2022

Révision: 13.09.2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 6)

· **12.6 Autres effets néfastes** Pas d'autres informations importantes disponibles.

RUBRIQUE 13: Considérations relatives à l'élimination

· **13.1 Méthodes de traitement des déchets**

· **Recommandation:**

Ne doit pas être évacué avec les ordures ménagères. Ne pas laisser pénétrer dans les égouts.

· **Emballages non nettoyés:**

· **Recommandation:** Evacuation conformément aux prescriptions légales.

· **Produit de nettoyage recommandé:** Eau, éventuellement avec des produits de nettoyage

RUBRIQUE 14: Informations relatives au transport

· **14.1 Numéro ONU**

· **ADR, IMDG, IATA**

UN1344

· **14.2 Désignation officielle de transport de l'ONU**

· **ADR**

1344 TRINITROPHÉNOL (ACIDE PICRIQUE)
HUMIDIFIÉ

· **IMDG, IATA**

TRINITROPHENOL (PICRIC ACID), WETTED

· **14.3 Classe(s) de danger pour le transport**

· **ADR, IMDG, IATA**



· **Classe**

4.1 Matières solides inflammables, matières
autoréactives, matières qui polymérisent et matières
solides explosibles désensibilisées

· **Étiquette**

4.1

· **14.4 Groupe d'emballage**

· **ADR, IMDG, IATA**

I

· **14.5 Dangers pour l'environnement:**

Non applicable.

· **14.6 Précautions particulières à prendre par l'utilisateur**

Attention: Matières solides inflammables, matières
autoréactives, matières qui polymérisent et matières
solides explosibles désensibilisées

· **Numéro d'identification du danger (Indice Kemler):**

60

· **No EMS:**

F-B,S-J

· **Stowage Category**

E

· **Segregation Code**

SG7 Stow "away from" class 3

SG30 Stow "away from" SGG7-heavy metals and
their salts

(suite page 8)

Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Date d'impression : 13.09.2022

Révision: 13.09.2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 7)

· 14.7 Transport en vrac conformément à l'annexe II de la convention Marpol et au recueil IBC	Non applicable.
· Indications complémentaires de transport:	
· ADR	
· Quantités limitées (LQ)	0
· Quantités exceptées (EQ)	Code: E0 Non autorisé en tant que quantité exceptée
· Catégorie de transport	1
· Code de restriction en tunnels	B
· IMDG	
· Limited quantities (LQ)	500 g
· Excepted quantities (EQ)	Code: E4 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 500 g
· "Règlement type" de l'ONU:	UN 1344 TRINITROPHÉNOL (ACIDE PICRIQUE) HUMIDIFIÉ, 4.1, 1

RUBRIQUE 15: Informations relatives à la réglementation

- **15.1 Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement**
- Directive 2012/18/UE
- **Substances dangereuses désignées - ANNEXE I** Aucun des composants n'est compris.
- **Catégorie SEVESO H2 TOXICITÉ AIGUË**
- **Quantité seuil (tonnes) pour l'application des exigences relatives au seuil bas 50 t**
- **Quantité seuil (tonnes) pour l'application des exigences relatives au seuil haut 200 t**
- **Directive 2011/65/UE relative à la limitation de l'utilisation de certaines substances dangereuses dans les équipements électriques et électroniques – Annexe II**
- Aucun des composants n'est compris.
- **RÈGLEMENT (UE) 2019/1148**
- **Annexe I - PRÉCURSEURS D'EXPLOSIFS FAISANT L'OBJET DE RESTRICTIONS (Valeur limite maximale aux fins de l'octroi d'une licence en vertu de l'article 5, paragraphe 3)**
- Aucun des composants n'est compris.
- **Annexe II - PRÉCURSEURS D'EXPLOSIFS DEVANT FAIRE L'OBJET D'UN SIGNALEMENT**
- Aucun des composants n'est compris.
- **Règlement (CE) n° 273/2004 relatif aux précurseurs de drogues**
- Aucun des composants n'est compris.
- **Règlement (CE) n° 111/2005 fixant des règles pour la surveillance du commerce des précurseurs des drogues entre la Communauté et les pays tiers**
- Aucun des composants n'est compris.
- **15.2 Évaluation de la sécurité chimique: Une évaluation de la sécurité chimique n'a pas été réalisée.**

FR

(suite page 9)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 13.09.2022

Révision: 13.09.2022

Nom du produit: PICRIC ACID, REAGENT, CRYSTAL, ACS

(suite de la page 8)

RUBRIQUE 16: Autres informations

Ces indications sont fondées sur l'état actuel de nos connaissances, mais ne constituent pas une garantie quant aux propriétés du produit et ne donnent pas lieu à un rapport juridique contractuel.

· **Phrases importantes**

H201 Explosif; danger d'explosion en masse.

H301 Toxique en cas d'ingestion.

H311 Toxique par contact cutané.

H331 Toxique par inhalation.

· **Acronymes et abréviations:**

ADR: Accord relatif au transport international des marchandises dangereuses par route

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Expl. 1.1: Explosibles – Division 1.1

Flam. Sol. 2: Matières solides inflammables – Catégorie 2

Acute Tox. 3: Toxicité aiguë – Catégorie 3

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 13.09.2022

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ABSCHNITT 1: Bezeichnung des Stoffs beziehungsweise des Gemischs und des Unternehmens

· **1.1 Produktidentifikator**

· **Handelsname:** **PICRIC ACID, REAGENT, CRYSTAL, ACS**

· **Artikelnummer:** 19550

· **UFI:** JJ40-00C3-800T-W4GT

· **1.2 Relevante identifizierte Verwendungen des Stoffs oder Gemischs und Verwendungen, von denen abgeraten wird**

Keine weiteren relevanten Informationen verfügbar.

· **Verwendung des Stoffes / des Gemisches** Laborchemikalien

· **1.3 Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt**

· **Hersteller/Lieferant:**

Electron Microscopy Sciences

1560 Industry Road

USA-Hatfield, PA 19440

Tel: 215-412-8400 Fax: 215-412-8450

email: info@emsdiasum.com

www.emsdiasum.com

Science Services GmbH

Unterhachinger Str. 75

81737 München Germany

Tel: +49(0)89 18 93 668-0

safety@scienceservices.de

Deutschland: +49 (0)89 19240, 24h Giftnotruf Munchen, www.toxinfo.org

Osterreich: +43 1406 43 43, Gesundheit Osterreich GmbH, 24 h

· **Auskunfteibender Bereich:** Product safety department

· **1.4 Notrufnummer:**

ChemTrec 1-800-424-9300 Contract CCN7661

1-703-527-3887

ABSCHNITT 2: Mögliche Gefahren

· **2.1 Einstufung des Stoffs oder Gemischs**

· **Einstufung gemäß Verordnung (EG) Nr. 1272/2008**



GHS02 Flamme

Flam. Sol. 2 H228 Entzündbarer Feststoff.



GHS06 Totenkopf mit gekreuzten Knochen

Acute Tox. 3 H301 Giftig bei Verschlucken.

Acute Tox. 3 H311 Giftig bei Hautkontakt.

Acute Tox. 3 H331 Giftig bei Einatmen.

(Fortsetzung auf Seite 2)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 13.09.2022

überarbeitet am: 13.09.2022

Handelsname: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Fortsetzung von Seite 1)

- **2.2 Kennzeichnungselemente**
- **Kennzeichnung gemäß Verordnung (EG) Nr. 1272/2008**
Das Produkt ist gemäß CLP-Verordnung eingestuft und gekennzeichnet.
- **Gefahrenpiktogramme**



GHS02 GHS06

- **Signalwort Gefahr**
- **Gefahrbestimmende Komponenten zur Etikettierung:**
2,4,6-Trinitrophenol
- **Gefahrenhinweise**
H228 Entzündbarer Feststoff.
H301+H311+H331 Giftig bei Verschlucken, Hautkontakt oder Einatmen.
- **Sicherheitshinweise**
P301+P310 BEI VERSCHLUCKEN: Sofort GIFTINFORMATIONSZENTRUM/Arzt anrufen.
P321 Besondere Behandlung (siehe auf diesem Kennzeichnungsetikett).
P330 Mund ausspülen.
P361+P364 Alle kontaminierten Kleidungsstücke sofort ausziehen und vor erneutem Tragen waschen.
P405 Unter Verschluss aufbewahren.
P501 Entsorgung des Inhalts / des Behälters gemäß den örtlichen / regionalen / nationalen / internationalen Vorschriften.
- **2.3 Sonstige Gefahren**
- **Ergebnisse der PBT- und vPvB-Beurteilung**
- **PBT:** Nicht anwendbar.
- **vPvB:** Nicht anwendbar.

ABSCHNITT 3: Zusammensetzung/Angaben zu Bestandteilen

- **3.2 Chemische Charakterisierung: Gemische**
- **Beschreibung:** Gemisch aus nachfolgend angeführten Stoffen mit ungefährlichen Beimengungen.

Gefährliche Inhaltsstoffe:

CAS: 88-89-1	2,4,6-Trinitrophenol	>50-≤100%
EINECS: 201-865-9	⚠ Expl. 1.1, H201; ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	

- **Zusätzliche Hinweise:** Der Wortlaut der angeführten Gefahrenhinweise ist dem Abschnitt 16 zu entnehmen.

ABSCHNITT 4: Erste-Hilfe-Maßnahmen

- **4.1 Beschreibung der Erste-Hilfe-Maßnahmen**
- **Allgemeine Hinweise:**
Mit Produkt verunreinigte Kleidungsstücke unverzüglich entfernen.
Atemschutz erst nach Entfernen verunreinigter Kleidungsstücke abnehmen.
Bei unregelmäßiger Atmung oder Atemstillstand künstliche Beatmung.

(Fortsetzung auf Seite 3)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 13.09.2022

überarbeitet am: 13.09.2022

Handelsname: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Fortsetzung von Seite 2)

- **Nach Einatmen:**
*Frischlucht- oder Sauerstoffzufuhr; ärztliche Hilfe in Anspruch nehmen.
 Bei Bewusstlosigkeit Lagerung und Transport in stabiler Seitenlage.*
- **Nach Hautkontakt:** *Sofort mit Wasser und Seife abwaschen und gut nachspülen.*
- **Nach Augenkontakt:**
Augen bei geöffnetem Lidspalt mehrere Minuten unter fließendem Wasser abspülen und Arzt konsultieren.
- **Nach Verschlucken:** *Kein Erbrechen herbeiführen, sofort ärztliche Hilfe zuziehen.*
- **4.2 Wichtigste akute und verzögert auftretende Symptome und Wirkungen**
Keine weiteren relevanten Informationen verfügbar.
- **4.3 Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung**
Keine weiteren relevanten Informationen verfügbar.

ABSCHNITT 5: Maßnahmen zur Brandbekämpfung

- **5.1 Löschmittel**
- **Geeignete Löschmittel:** *Feuerlöschmaßnahmen auf die Umgebung abstimmen.*
- **5.2 Besondere vom Stoff oder Gemisch ausgehende Gefahren**
Keine weiteren relevanten Informationen verfügbar.
- **5.3 Hinweise für die Brandbekämpfung**
- **Besondere Schutzausrüstung:** *Atemschutzgerät anlegen.*

ABSCHNITT 6: Maßnahmen bei unbeabsichtigter Freisetzung

- **6.1 Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren**
Schutzausrüstung tragen. Ungeschützte Personen fernhalten.
- **6.2 Umweltschutzmaßnahmen:**
Nicht in die Kanalisation/Oberflächenwasser/Grundwasser gelangen lassen.
- **6.3 Methoden und Material für Rückhaltung und Reinigung:**
*Kontaminiertes Material als Abfall nach Abschnitt 13 entsorgen.
 Für ausreichende Lüftung sorgen.*
- **6.4 Verweis auf andere Abschnitte**
*Informationen zur sicheren Handhabung siehe Abschnitt 7.
 Informationen zur persönlichen Schutzausrüstung siehe Abschnitt 8.
 Informationen zur Entsorgung siehe Abschnitt 13.*

ABSCHNITT 7: Handhabung und Lagerung

- **7.1 Schutzmaßnahmen zur sicheren Handhabung**
*Gute Entstaubung.
 Für gute Belüftung/Absaugung am Arbeitsplatz sorgen.
 Behälter mit Vorsicht öffnen und handhaben.*
- **Hinweise zum Brand- und Explosionsschutz:**
*Zündquellen fernhalten - nicht rauchen.
 Vor Hitze schützen.
 Maßnahmen gegen elektrostatische Aufladung treffen.
 Atemschutzgeräte bereithalten.*

(Fortsetzung auf Seite 4)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 13.09.2022

überarbeitet am: 13.09.2022

Handelsname: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Fortsetzung von Seite 3)

- **7.2 Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten**
- **Lagerung:**
- **Anforderung an Lagerräume und Behälter:** An einem kühlen Ort lagern.
- **Zusammenlagerungshinweise:** Nicht erforderlich.
- **Weitere Angaben zu den Lagerbedingungen:**
Behälter dicht geschlossen halten.
In gut verschlossenen Gebinden kühl und trocken lagern.
Vor Hitze und direkter Sonnenbestrahlung schützen.
- **Lagerklasse:**
- **Klassifizierung nach Betriebsicherheitsverordnung (BetrSichV):** -
- **7.3 Spezifische Endanwendungen** Keine weiteren relevanten Informationen verfügbar.

ABSCHNITT 8: Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen

- **8.1 Zu überwachende Parameter**
- **Zusätzliche Hinweise zur Gestaltung technischer Anlagen:** Keine weiteren Angaben, siehe Abschnitt 7.

- **Bestandteile mit arbeitsplatzbezogenen, zu überwachenden Grenzwerten:**

88-89-1 2,4,6-Trinitrophenol

AGW	Langzeitwert: 0,1 E mg/m ³ 1(I);H, EU, 13
-----	---------------------------------------------------------

- **Zusätzliche Hinweise:** Als Grundlage dienen die bei der Erstellung gültigen Listen.
- **8.2 Begrenzung und Überwachung der Exposition**
- **Persönliche Schutzausrüstung:**
- **Allgemeine Schutz- und Hygienemaßnahmen:**
Von Nahrungsmitteln, Getränken und Futtermitteln fernhalten.
Beschmutzte, getränkte Kleidung sofort ausziehen.
Vor den Pausen und bei Arbeitsende Hände waschen.
Getrennte Aufbewahrung der Schutzkleidung.
Berührung mit den Augen und der Haut vermeiden.
- **Atemschutz:**
Bei kurzzeitiger oder geringer Belastung Atemfiltergerät; bei intensiver bzw. längerer Exposition unluftunabhängiges Atemschutzgerät verwenden.
- **Handschutz:**



Schutzhandschuhe

Das Handschuhmaterial muss undurchlässig und beständig gegen das Produkt / den Stoff / die Zubereitung sein.

Aufgrund fehlender Tests kann keine Empfehlung zum Handschuhmaterial für das Produkt / die Zubereitung / das Chemikaliengemisch abgegeben werden.

Auswahl des Handschuhmaterials unter Beachtung der Durchbruchzeiten, Permeationsraten und der Degradation.

- **Handschuhmaterial**

Die Auswahl eines geeigneten Handschuhs ist nicht nur vom Material, sondern auch von weiteren Qualitätsmerkmalen abhängig und von Hersteller zu Hersteller unterschiedlich. Da das Produkt eine Zubereitung aus mehreren Stoffen darstellt, ist die Beständigkeit von Handschuhmaterialien nicht

(Fortsetzung auf Seite 5)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 13.09.2022

überarbeitet am: 13.09.2022

Handelsname: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Fortsetzung von Seite 4)

vorausberechenbar und muß deshalb vor dem Einsatz überprüft werden.

- **Durchdringungszeit des Handschuhmaterials**
Die genaue Durchbruchzeit ist beim Schutzhandschuhhersteller zu erfahren und einzuhalten.
- **Augenschutz:**



Dichtschließende Schutzbrille

ABSCHNITT 9: Physikalische und chemische Eigenschaften

· 9.1 Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften

· Allgemeine Angaben

· Aussehen:

Form:	Fest
Farbe:	Gelb
Geruch:	Geruchlos
Geruchsschwelle:	Nicht bestimmt.

· **pH-Wert:** Nicht anwendbar.

· Zustandsänderung

Schmelzpunkt/Gefrierpunkt:	121 °C
Siedebeginn und Siedebereich:	Nicht bestimmt.

· **Flammpunkt:** 150 °C

· **Entzündbarkeit (fest, gasförmig):** Leichtentzündlich.

· **Zündtemperatur:** 300 °C

· **Zersetzungstemperatur:** Nicht bestimmt.

· **Selbstentzündungstemperatur:** Das Produkt ist nicht selbstentzündlich.

· **Explosive Eigenschaften:** Nicht bestimmt.

· Explosionsgrenzen:

Untere:	Nicht bestimmt.
Obere:	Nicht bestimmt.

· **Dampfdruck bei 20 °C:** 23 hPa

· **Dichte bei 20 °C:** 1,8 g/cm³

· **Relative Dichte:** Nicht bestimmt.

· **Dampfdichte:** Nicht anwendbar.

· **Verdampfungsgeschwindigkeit:** Nicht anwendbar.

· Löslichkeit in / Mischbarkeit mit

Wasser: Löslich.

· **Verteilungskoeffizient: n-Octanol/Wasser:** Nicht bestimmt.

· Viskosität:

Dynamisch: Nicht anwendbar.

(Fortsetzung auf Seite 6)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 13.09.2022

überarbeitet am: 13.09.2022

Handelsname: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Fortsetzung von Seite 5)

Kinematisch:	Nicht anwendbar.
· Lösemittelgehalt:	
Festkörpergehalt:	100,0 %
· 9.2 Sonstige Angaben	Keine weiteren relevanten Informationen verfügbar.

ABSCHNITT 10: Stabilität und Reaktivität

- **10.1 Reaktivität** Keine weiteren relevanten Informationen verfügbar.
- **10.2 Chemische Stabilität**
- **Thermische Zersetzung / zu vermeidende Bedingungen:**
Keine Zersetzung bei bestimmungsgemäßer Verwendung.
- **10.3 Möglichkeit gefährlicher Reaktionen** Keine gefährlichen Reaktionen bekannt.
- **10.4 Zu vermeidende Bedingungen** Keine weiteren relevanten Informationen verfügbar.
- **10.5 Unverträgliche Materialien:** Keine weiteren relevanten Informationen verfügbar.
- **10.6 Gefährliche Zersetzungsprodukte:** Keine gefährlichen Zersetzungsprodukte bekannt.

ABSCHNITT 11: Toxikologische Angaben

- **11.1 Angaben zu toxikologischen Wirkungen**
- **Akute Toxizität**
Giftig bei Verschlucken, Hautkontakt oder Einatmen.
- **Primäre Reizwirkung:**
- **Ätz-/Reizwirkung auf die Haut** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Schwere Augenschädigung/-reizung**
Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Sensibilisierung der Atemwege/Haut**
Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Zusätzliche toxikologische Hinweise:**
- **CMR-Wirkungen (krebserzeugende, erbgutverändernde und fortpflanzungsgefährdende Wirkung)**
- **Keimzell-Mutagenität** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Karzinogenität** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Reproduktionstoxizität** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Spezifische Zielorgan-Toxizität bei einmaliger Exposition**
Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Spezifische Zielorgan-Toxizität bei wiederholter Exposition**
Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Aspirationsgefahr** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

ABSCHNITT 12: Umweltbezogene Angaben

- **12.1 Toxizität**
- **Aquatische Toxizität:** Keine weiteren relevanten Informationen verfügbar.
- **12.2 Persistenz und Abbaubarkeit** Keine weiteren relevanten Informationen verfügbar.
- **12.3 Bioakkumulationspotenzial** Keine weiteren relevanten Informationen verfügbar.
- **12.4 Mobilität im Boden** Keine weiteren relevanten Informationen verfügbar.

(Fortsetzung auf Seite 7)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 13.09.2022

überarbeitet am: 13.09.2022

Handelsname: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Fortsetzung von Seite 6)

- **Weitere ökologische Hinweise:**
- **Allgemeine Hinweise:**
*Wassergefährdungsklasse 2 (Selbsteinstufung): deutlich wassergefährdend
 Nicht in das Grundwasser, in Gewässer oder in die Kanalisation gelangen lassen.
 Trinkwassergefährdung bereits beim Auslaufen geringer Mengen in den Untergrund.*
- **12.5 Ergebnisse der PBT- und vPvB-Beurteilung**
- **PBT:** Nicht anwendbar.
- **vPvB:** Nicht anwendbar.
- **12.6 Andere schädliche Wirkungen** Keine weiteren relevanten Informationen verfügbar.

ABSCHNITT 13: Hinweise zur Entsorgung

- **13.1 Verfahren der Abfallbehandlung**
- **Empfehlung:**
Darf nicht zusammen mit Hausmüll entsorgt werden. Nicht in die Kanalisation gelangen lassen.
- **Ungereinigte Verpackungen:**
- **Empfehlung:** Entsorgung gemäß den behördlichen Vorschriften.
- **Empfohlenes Reinigungsmittel:** Wasser, gegebenenfalls mit Zusatz von Reinigungsmitteln.

ABSCHNITT 14: Angaben zum Transport

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> · 14.1 UN-Nummer · ADR, IMDG, IATA | <p style="text-align: right;">UN1344</p> |
| <ul style="list-style-type: none"> · 14.2 Ordnungsgemäße UN-Versandbezeichnung · ADR · IMDG, IATA | <p style="text-align: right;">1344 TRINITROPHENOL (PIKRINSÄURE),
ANGEFEUCHTET
TRINITROPHENOL (PICRIC ACID), WETTED</p> |
| <ul style="list-style-type: none"> · 14.3 Transportgefahrenklassen · ADR, IMDG, IATA | <p style="text-align: right;">4.1 Entzündbare feste Stoffe, selbstzersetzliche Stoffe,
polymerisierende Stoffe und desensibilisierte
explosive feste Stoffe</p> |
| <ul style="list-style-type: none"> · Klasse · Gefahrzettel | <p style="text-align: right;">4.1
4.1</p> |
| <ul style="list-style-type: none"> · 14.4 Verpackungsgruppe · ADR, IMDG, IATA | <p style="text-align: right;">I</p> |
| <ul style="list-style-type: none"> · 14.5 Umweltgefahren: | <p style="text-align: right;">Nicht anwendbar.</p> |

(Fortsetzung auf Seite 8)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 13.09.2022

überarbeitet am: 13.09.2022

Handelsname: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Fortsetzung von Seite 7)

<ul style="list-style-type: none"> · 14.6 Besondere Vorsichtsmaßnahmen für den Verwender · Nummer zur Kennzeichnung der Gefahr (Kemler-Zahl): · EMS-Nummer: · Stowage Category · Segregation Code 	<p><i>Achtung: Entzündbare feste Stoffe, selbstzersetzliche Stoffe, polymerisierende Stoffe und desensibilisierte explosive feste Stoffe</i></p> <p>60</p> <p>F-B,S-J</p> <p>E</p> <p>SG7 Stow "away from" class 3 SG30 Stow "away from" SGG7-heavy metals and their salts</p>
<ul style="list-style-type: none"> · 14.7 Massengutbeförderung gemäß Anhang II des MARPOL-Übereinkommens und gemäß IBC-Code Nicht anwendbar. 	
<ul style="list-style-type: none"> · Transport/weitere Angaben: 	
<ul style="list-style-type: none"> · ADR · Begrenzte Menge (LQ) · Freigestellte Mengen (EQ) · Beförderungskategorie · Tunnelbeschränkungscode 	<p>0</p> <p>Code: E0</p> <p><i>In freigestellten Mengen nicht zugelassen</i></p> <p>1</p> <p>B</p>
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	<p>500 g</p> <p>Code: E4</p> <p><i>Maximum net quantity per inner packaging: 1 g</i> <i>Maximum net quantity per outer packaging: 500 g</i></p>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<p>UN 1344 TRINITROPHENOL (PIKRINSÄURE), ANGEFEUCHTET, 4.1, I</p>

ABSCHNITT 15: Rechtsvorschriften

- **15.1 Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch**
- **Richtlinie 2012/18/EU**
- **Namentlich aufgeführte gefährliche Stoffe - ANHANG I** Keiner der Inhaltsstoffe ist enthalten.
- **Seveso-Kategorie H2 AKUT TOXISCH**
- **Mengenschwelle (in Tonnen) für die Anwendung in Betrieben der unteren Klasse** 50 t
- **Mengenschwelle (in Tonnen) für die Anwendung in Betrieben der oberen Klasse** 200 t
- **Richtlinie 2011/65/EU zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten – Anhang II**
- Keiner der Inhaltsstoffe ist enthalten.
- **VERORDNUNG (EU) 2019/1148**
- **Anhang I - BESCHRÄNKTE AUSGANGSSTOFFE FÜR EXPLOSIVSTOFFE (Oberer Konzentrationsgrenzwert für eine Genehmigung nach Artikel 5 Absatz 3)**
- Keiner der Inhaltsstoffe ist enthalten.

(Fortsetzung auf Seite 9)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 13.09.2022

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Handelsname: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Fortsetzung von Seite 8)

· Anhang II - MELDEPFLICHTIGE AUSGANGSSTOFFE FÜR EXPLOSIVSTOFFE

Keiner der Inhaltsstoffe ist enthalten.

· Verordnung (EG) Nr. 273/2004 betreffend Drogenausgangsstoffe

Keiner der Inhaltsstoffe ist enthalten.

· Verordnung (EG) Nr. 111/2005 zur Festlegung von Vorschriften für die Überwachung des Handels mit Drogenaustauschstoffen zwischen der Gemeinschaft und Drittländern

Keiner der Inhaltsstoffe ist enthalten.

· Nationale Vorschriften:

· Technische Anleitung Luft:

Klasse	Anteil in %
I	70,0

· **Wassergefährdungsklasse: WGK 2 (Selbsteinstufung):** deutlich wassergefährdend.

· Sonstige Vorschriften, Beschränkungen und Verbotsverordnungen

Das Produkt unterliegt der Anlage 2 der Chemikalienverbotsverordnung (ChemVerbotsV) - Anforderungen in Bezug auf die Abgabe

· **15.2 Stoffsicherheitsbeurteilung:** Eine Stoffsicherheitsbeurteilung wurde nicht durchgeführt.

ABSCHNITT 16: Sonstige Angaben

Die Angaben stützen sich auf den heutigen Stand unserer Kenntnisse, sie stellen jedoch keine Zusicherung von Produkteigenschaften dar und begründen kein vertragliches Rechtsverhältnis.

· Relevante Sätze

H201 Explosiv, Gefahr der Massenexplosion.

H301 Giftig bei Verschlucken.

H311 Giftig bei Hautkontakt.

H331 Giftig bei Einatmen.

· Abkürzungen und Akronyme:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Expl. 1.1: Explosive Stoffe/Gemische und Erzeugnisse mit Explosivstoff – Unterklasse 1.1

Flam. Sol. 2: Entzündbare Feststoffe – Kategorie 2

Acute Tox. 3: Akute Toxizität – Kategorie 3

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 13.09.2022

Revisione: 13.09.2022

SEZIONE 1: Identificazione della sostanza o della miscela e della società/impresa

- **1.1 Identificatore del prodotto**
- **Denominazione commerciale:** PICRIC ACID, REAGENT, CRYSTAL, ACS
- **Articolo numero:** 19550
- **UFI:** JJ40-00C3-800T-W4GT
- **1.2 Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati**
Non sono disponibili altre informazioni.
- **Utilizzazione della Sostanza / del Preparato** Prodotti chimici per laboratorio
- **1.3 Informazioni sul fornitore della scheda di dati di sicurezza**
- **Produttore/fornitore:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Società Italiana Chimici**
Via Rio Nell Ellba 140
00138 Rome, Italy
Tel: 39 06 8800211
Fax: 39 30 06 8815313
Web: www.sichim.com
- **Informazioni fornite da:** Product safety department
- **1.4 Numero telefonico di emergenza:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

SEZIONE 2: Identificazione dei pericoli

- **2.1 Classificazione della sostanza o della miscela**
- **Classificazione secondo il regolamento (CE) n. 1272/2008**



GHS02 fiamma

Flam. Sol. 2 H228 Solido infiammabile.



GHS06 teschio e tibie incrociate

Acute Tox. 3 H301 Tossico se ingerito.

Acute Tox. 3 H311 Tossico per contatto con la pelle.

Acute Tox. 3 H331 Tossico se inalato.

- **2.2 Elementi dell'etichetta**
- **Etichettatura secondo il regolamento (CE) n. 1272/2008**
Il prodotto è classificato ed etichettato conformemente al regolamento CLP.

(continua a pagina 2)

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 13.09.2022

Revisione: 13.09.2022

Denominazione commerciale: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Segue da pagina 1)

· **Pittogrammi di pericolo**



GHS02 GHS06

· **Avvertenza Pericolo**

· **Componenti pericolosi che ne determinano l'etichettatura:**

2,4,6-trinitrofenolo

· **Indicazioni di pericolo**

H228 Solido infiammabile.

H301+H311+H331 Tossico se ingerito, a contatto con la pelle o se inalato.

· **Consigli di prudenza**

P301+P310 IN CASO DI INGESTIONE: contattare immediatamente un CENTRO ANTIVELENI/un medico.

P321 Trattamento specifico (vedere su questa etichetta).

P330 Sciacquare la bocca.

P361+P364 Togliere immediatamente tutti gli indumenti contaminati e lavarli prima di indossarli nuovamente.

P405 Conservare sotto chiave.

P501 Smaltire il prodotto/recipiente in conformità con le disposizioni locali / regionali / nazionali / internazionali.

· **2.3 Altri pericoli**

· **Risultati della valutazione PBT e vPvB**

· **PBT:** Non applicabile.

· **vPvB:** Non applicabile.

SEZIONE 3: Composizione/informazioni sugli ingredienti

· **3.2 Caratteristiche chimiche: Miscela**

· **Descrizione:** Miscela delle seguenti sostanze con additivi non pericolosi.

· **Sostanze pericolose:**

CAS: 88-89-1	2,4,6-trinitrofenolo	>50-≤100%
EINECS: 201-865-9	Expl. 1.1, H201; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	

· **Ulteriori indicazioni:** Il testo dell'avvertenza dei pericoli citati può essere appreso dal capitolo 16

SEZIONE 4: Misure di primo soccorso

· **4.1 Descrizione delle misure di primo soccorso**

· **Indicazioni generali:**

Allontanare immediatamente gli abiti contaminati dal prodotto.

Levarsi la maschera protettiva solamente dopo aver tolto gli abiti contaminati.

In caso di respirazione irregolare o di blocco respiratorio praticare la respirazione artificiale.

· **Inalazione:**

Portare il soggetto in zona ben areata o somministrare ossigeno; chiedere l'intervento di un medico.

Se il soggetto è svenuto provvedere a tenerlo durante il trasporto in posizione stabile su un fianco.

(continua a pagina 3)

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 13.09.2022

Revisione: 13.09.2022

Denominazione commerciale: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Segue da pagina 2)

- **Contatto con la pelle:** Lavare immediatamente con acqua e sapone sciacquando accuratamente.
- **Contatto con gli occhi:**
Lavare con acqua corrente per diversi minuti tenendo le palpebre ben aperte e consultare il medico.
- **Ingestione:** Non provocare il vomito, chiamare subito il medico.
- **4.2 Principali sintomi ed effetti, sia acuti che ritardati** Non sono disponibili altre informazioni.
- **4.3 Indicazione dell'eventuale necessità di consultare immediatamente un medico e di trattamenti speciali**
Non sono disponibili altre informazioni.

SEZIONE 5: Misure antincendio

- **5.1 Mezzi di estinzione**
- **Mezzi di estinzione idonei:** Adottare provvedimenti antiincendio nei dintorni della zona colpita.
- **5.2 Pericoli speciali derivanti dalla sostanza o dalla miscela** Non sono disponibili altre informazioni.
- **5.3 Raccomandazioni per gli addetti all'estinzione degli incendi**
- **Mezzi protettivi specifici:** Indossare il respiratore.

SEZIONE 6: Misure in caso di rilascio accidentale

- **6.1 Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza**
Indossare equipaggiamento protettivo. Allontanare le persone non equipaggiate.
- **6.2 Precauzioni ambientali:**
Impedire infiltrazioni nella fognatura/nelle acque superficiali/nelle acque freatiche.
- **6.3 Metodi e materiali per il contenimento e per la bonifica:**
Smaltimento del materiale contaminato conformemente al punto 13.
Provvedere ad una sufficiente areazione.
- **6.4 Riferimento ad altre sezioni**
Per informazioni relative ad un manipolazione sicura, vedere capitolo 7.
Per informazioni relative all'equipaggiamento protettivo ad uso personale vedere Capitolo 8.
Per informazioni relative allo smaltimento vedere Capitolo 13.

SEZIONE 7: Manipolazione e immagazzinamento

- **7.1 Precauzioni per la manipolazione sicura**
Accurata captazione delle polveri.
Accurata ventilazione/aspirazione nei luoghi di lavoro.
Aprire e manipolare i recipienti con cautela.
- **Indicazioni in caso di incendio ed esplosione:**
Tenere lontano da fonti di calore, non fumare.
Proteggere dal calore.
Adottare provvedimenti contro cariche elettrostatiche.
Tener pronto il respiratore.
- **7.2 Condizioni per lo stoccaggio sicuro, comprese eventuali incompatibilità**
- **Stoccaggio:**
- **Requisiti dei magazzini e dei recipienti:** Conservare in ambiente fresco.
- **Indicazioni sullo stoccaggio misto:** Non necessario.
- **Ulteriori indicazioni relative alle condizioni di immagazzinamento:**
Mantenere i recipienti ermeticamente chiusi.
Conservare in luogo fresco e asciutto in fusti ben chiusi.

(continua a pagina 4)

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 13.09.2022

Revisione: 13.09.2022

Denominazione commerciale: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Segue da pagina 3)

- Proteggere dal calore e dai raggi diretti del sole.
· **7.3 Usi finali particolari** Non sono disponibili altre informazioni.

SEZIONE 8: Controllo dell'esposizione/protezione individuale

- **8.1 Parametri di controllo**
- **Ulteriori indicazioni sulla struttura di impianti tecnici:** Nessun dato ulteriore, vedere punto 7.

- **Componenti i cui valori limite devono essere tenuti sotto controllo negli ambienti di lavoro:**

88-89-1 2,4,6-trinitrofenolo

TWA Valore a lungo termine: 0,1 mg/m³

- **Ulteriori indicazioni:** Le liste valide alla data di compilazione sono state usate come base.
- **8.2 Controlli dell'esposizione**
- **Mezzi protettivi individuali:**
- **Norme generali protettive e di igiene del lavoro:**
Tenere lontano da cibo, bevande e foraggi.
Togliere immediatamente gli abiti contaminati.
Lavarsi le mani prima dell'intervallo o a lavoro terminato.
Custodire separatamente l'equipaggiamento protettivo.
Evitare il contatto con gli occhi e la pelle.
- **Maschera protettiva:**
Nelle esposizioni brevi e minime utilizzare la maschera; nelle esposizioni più intense e durature indossare l'autorespiratore.
- **Guanti protettivi:**



Guanti protettivi

Il materiale dei guanti deve essere impermeabile e stabile contro il prodotto/ la sostanza/ la formulazione. A causa della mancanza di tests non può essere consigliato alcun tipo di materiale per i guanti con cui manipolare il prodotto / la formulazione / la miscela di sostanze chimiche. Scelta del materiale dei guanti in considerazione dei tempi di passaggio, dei tassi di permeazione e della degradazione.

- **Materiale dei guanti**
La scelta dei guanti adatti non dipende soltanto dal materiale bensì anche da altre caratteristiche di qualità variabili da un produttore a un altro. Poiché il prodotto rappresenta una formulazione di più sostanze, la stabilità dei materiali dei guanti non è calcolabile in anticipo e deve essere testata prima dell'impiego
- **Tempo di permeazione del materiale dei guanti**
Richiedere dal fornitore dei guanti il tempo di passaggio preciso il quale deve essere rispettato.
- **Occhiali protettivi:**



Occhiali protettivi a tenuta

IT

(continua a pagina 5)

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 13.09.2022

Revisione: 13.09.2022

Denominazione commerciale: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Segue da pagina 4)

SEZIONE 9: Proprietà fisiche e chimiche

· 9.1 Informazioni sulle proprietà fisiche e chimiche fondamentali	
· Indicazioni generali	
· Aspetto:	
Forma:	Solido
Colore:	Giallo
· Odore:	Inodore
· Soglia olfattiva:	Non definito.
· valori di pH:	Non applicabile.
· Cambiamento di stato	
Punto di fusione/punto di congelamento:	121 °C
Punto di ebollizione iniziale e intervallo di ebollizione:	Non definito.
· Punto di infiammabilità:	150 °C
· Infiammabilità (solidi, gas):	Facilmente infiammabile.
· Temperatura di accensione:	300 °C
· Temperatura di decomposizione:	Non definito.
· Temperatura di autoaccensione:	Prodotto non autoinfiammabile.
· Proprietà esplosive:	Non definito.
· Limiti di infiammabilità:	
Inferiore:	Non definito.
Superiore:	Non definito.
· Tensione di vapore a 20 °C:	23 hPa
· Densità a 20 °C:	1,8 g/cm ³
· Densità relativa	Non definito.
· Densità di vapore:	Non applicabile.
· Velocità di evaporazione	Non applicabile.
· Solubilità in/Miscibilità con acqua:	Solubile.
· Coefficiente di ripartizione: n-ottanolo/acqua:	Non definito.
· Viscosità:	
Dinamica:	Non applicabile.
Cinematica:	Non applicabile.
· Tenore del solvente:	
Contenuto solido:	100,0 %
· 9.2 Altre informazioni	Non sono disponibili altre informazioni.

SEZIONE 10: Stabilità e reattività

· **10.1 Reattività** Non sono disponibili altre informazioni.

(continua a pagina 6)

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 13.09.2022

Revisione: 13.09.2022

Denominazione commerciale: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Segue da pagina 5)

- **10.2 Stabilità chimica**
- **Decomposizione termica/ condizioni da evitare:**
Il prodotto non si decompone se utilizzato secondo le norme.
- **10.3 Possibilità di reazioni pericolose** *Non sono note reazioni pericolose.*
- **10.4 Condizioni da evitare** *Non sono disponibili altre informazioni.*
- **10.5 Materiali incompatibili:** *Non sono disponibili altre informazioni.*
- **10.6 Prodotti di decomposizione pericolosi:** *Non sono noti prodotti di decomposizione pericolosi.*

SEZIONE 11: Informazioni tossicologiche

- **11.1 Informazioni sugli effetti tossicologici**
- **Tossicità acuta**
Tossico se ingerito, a contatto con la pelle o se inalato.
- **Irritabilità primaria:**
- **Corrosione/irritazione cutanea**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Lesioni oculari gravi/irritazioni oculari gravi**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Sensibilizzazione respiratoria o cutanea**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Ulteriori dati tossicologici:**
- **Effetti CMR (cancerogenicità, mutagenicità e tossicità per la riproduzione)**
- **Mutagenicità delle cellule germinali**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Cancerogenicità** *Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.*
- **Tossicità per la riproduzione** *Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.*
- **Tossicità specifica per organi bersaglio (STOT) - esposizione singola**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Tossicità specifica per organi bersaglio (STOT) - esposizione ripetuta**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Pericolo in caso di aspirazione**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.

SEZIONE 12: Informazioni ecologiche

- **12.1 Tossicità**
- **Tossicità acquatica:** *Non sono disponibili altre informazioni.*
- **12.2 Persistenza e degradabilità** *Non sono disponibili altre informazioni.*
- **12.3 Potenziale di bioaccumulo** *Non sono disponibili altre informazioni.*
- **12.4 Mobilità nel suolo** *Non sono disponibili altre informazioni.*
- **Ulteriori indicazioni in materia ambientale:**
- **Ulteriori indicazioni:**
Pericolosità per le acque classe 2 (D) (Autoclassificazione): pericoloso
Non immettere nelle acque freatiche, nei corsi d'acqua o nelle fognature.
Pericolo per le acque potabili anche in caso di perdite nel sottosuolo di piccole quantità di prodotto.
- **12.5 Risultati della valutazione PBT e vPvB**
- **PBT:** *Non applicabile.*
- **vPvB:** *Non applicabile.*

(continua a pagina 7)

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 13.09.2022

Revisione: 13.09.2022

Denominazione commerciale: PICRIC ACID, REAGENT, CRYSTAL, ACS


(Segue da pagina 6)

· **12.6 Altri effetti avversi** Non sono disponibili altre informazioni.

SEZIONE 13: Considerazioni sullo smaltimento

- **13.1 Metodi di trattamento dei rifiuti**
- **Consigli:** Non smaltire il prodotto insieme ai rifiuti domestici Non immettere nelle fognature.
- **Imballaggi non puliti:**
- **Consigli:** Smaltimento in conformità con le disposizioni amministrative.
- **Detergente consigliato:** Acqua eventualmente con l'aggiunta di detersivi.

SEZIONE 14: Informazioni sul trasporto

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| · 14.1 Numero ONU
· ADR, IMDG, IATA | UN1344 |
| · 14.2 Nome di spedizione dell'ONU
· ADR
· IMDG, IATA | 1344 TRINITROFENOLO (ACIDO PICRICO)
UMIDIFICATO
TRINITROPHENOL (PICRIC ACID), WETTED |
| · 14.3 Classi di pericolo connesso al trasporto
· ADR, IMDG, IATA | |
|  | |
| · Classe
· Etichetta | 4.1 Solidi infiammabili, materie autoreattive, materie soggette a polimerizzazione ed esplosivi solidi desensibilizzati
4.1 |
| · 14.4 Gruppo di imballaggio
· ADR, IMDG, IATA | I |
| · 14.5 Pericoli per l'ambiente: | Non applicabile. |
| · 14.6 Precauzioni speciali per gli utilizzatori

· N° identificazione pericolo (Numero Kemler):
· Numero EMS:
· Stowage Category
· Segregation Code | Attenzione: Solidi infiammabili, materie autoreattive, materie soggette a polimerizzazione ed esplosivi solidi desensibilizzati

60
F-B,S-J
E
SG7 Stow "away from" class 3
SG30 Stow "away from" SGG7-heavy metals and their salts |
| · 14.7 Trasporto di rinfuse secondo l'allegato II di MARPOL ed il codice IBC | Non applicabile. |

(continua a pagina 8)

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 13.09.2022

Revisione: 13.09.2022

Denominazione commerciale: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Segue da pagina 7)

· Trasporto/ulteriori indicazioni:

· ADR

· **Quantità limitate (LQ)**

0

· **Quantità esenti (EQ)**

Codice: E0

Vietato al trasporto in quantità esente

· **Categoria di trasporto**

1

· **Codice di restrizione in galleria**

B

· IMDG

· **Limited quantities (LQ)**

500 g

· **Excepted quantities (EQ)**

Code: E4

Maximum net quantity per inner packaging: 1 g

Maximum net quantity per outer packaging: 500 g

· **UN "Model Regulation":**

UN 1344 TRINITROFENOLO (ACIDO PICRICO)
UMIDIFICATO, 4.1, 1

SEZIONE 15: Informazioni sulla regolamentazione

· **15.1 Disposizioni legislative e regolamentari su salute, sicurezza e ambiente specifiche per la sostanza o la miscela**

· **Direttiva 2012/18/UE**

· **Sostanze pericolose specificate - ALLEGATO I** Nessuno dei componenti è contenuto.

· **Categoria Seveso H2 TOSSICITÀ ACUTA**

· **Quantità limite (tonnellate) ai fini dell'applicazione dei requisiti di soglia inferiore 50 t**

· **Quantità limite (tonnellate) ai fini dell'applicazione dei requisiti di soglia superiore 200 t**

· **Direttiva 2011/65/UE sulla restrizione dell'uso di determinate sostanze pericolose nelle apparecchiature elettriche ed elettroniche - Allegato II**

Nessuno dei componenti è contenuto.

· **REGOLAMENTO (UE) 2019/1148**

· **Allegato I - PRECURSORI DI ESPLOSIVI SOGGETTI A RESTRIZIONI (Valore limite superiore ai fini della concessione di licenze a norma dell'articolo 5, paragrafo 3)**

Nessuno dei componenti è contenuto.

· **Allegato II - PRECURSORI DI ESPLOSIVI SOGGETTI A SEGNALAZIONE**

Nessuno dei componenti è contenuto.

· **Regolamento (CE) n. 273/2004 relativo ai precursori di droghe**

Nessuno dei componenti è contenuto.

· **Regolamento (CE) N. 111/2005 recante norme per il controllo del commercio dei precursori di droghe tra la Comunità e i paesi terzi**

Nessuno dei componenti è contenuto.

· **15.2 Valutazione della sicurezza chimica:** Una valutazione della sicurezza chimica non è stata effettuata.

(continua a pagina 9)

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ai sensi del regolamento 1907/2006/CE, Articolo 31

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(Segue da pagina 8)

SEZIONE 16: Altre informazioni

I dati sono riportati sulla base delle nostre conoscenze attuali, non rappresentano tuttavia alcuna garanzia delle caratteristiche del prodotto e non motivano alcun rapporto giuridico contrattuale.

· **Fraasi rilevanti**

H201 Esplosivo; pericolo di esplosione di massa.

H301 Tossico se ingerito.

H311 Tossico per contatto con la pelle.

H331 Tossico se inalato.

· **Abbreviazioni e acronimi:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Expl. 1.1: Esplosivi – Divisione 1.1

Flam. Sol. 2: Solidi infiammabili – Categoria 2

Acute Tox. 3: Tossicità acuta – Categoria 3

물질안전보건자료

GHS에 따라

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(1 쪽부터 계속)

- 라벨 표기 요소 요소
- 라벨 표기 요소

본 제품은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.

- GHS 그림문자



GHS02 GHS06

- 신호어 위험
- 상 표 상에 명확히 위험성이 표시된 성분:

피크릭 산

유해유해유해문구

인화성 고체
삼키거나, 피부에 접촉하거나 흡입하면 유독함

예방조치문구

삼켰을 시: 즉시 독성물질센터/병원 연락 필요.
(라벨 참조) 처치를 하시오.
입을 씻어내시오.
오염된 모든 의복은 즉시 벗고 다시 사용 전 세척하시오.
밀봉하여 저장하시오.
(지방/지역/국가/국제 규정에 따라) 에 내용물/용기를 폐기하시오.

기타기타유해성

- PBT(잔류성, 생물농축성, 물질물질물질) 및 vPvB(고 잔류성, 고 생물농축성) 물질로 분류된 결과 없음.
- PBT(잔류성, 생물농축성, 물질물질물질) 당 사항 없음.
- vPvB(고 잔류성, 고 생물농축성) 물질로 분류된 결과 없음.

3 구성성분의 명칭 및 함유량

- 화학적 특성: 혼합물

설명 설명 설명 첨가물 이 함유된 아래에 열거된 물질로 만들어진 혼합물.

- 위험 요소 요소

88-89-1	피크릭 산	>50-≤100%
	폭발성 물질 - 등급 1.1, H201; 급성 독성 - 경구 - 구분3, H301; 급성 독성 - 경피 - 구분3, H311; 급성 독성 - 흡입 - 구분3, H331	

4 응급조치 요령

- 응급조치요령 내용 내용

일 반적 정보 정보

이 제품에 의해 오염된 의상은 즉시 제거한다.
반드시 오염된 의상을 완전히 제거한 후에 호흡 보호기를 떼어낸다.
불규칙적인 호흡이나 호흡정지 상태에서는 인공 호흡을 실시한다.

흡입했을 때:

신선한 공기나 산소를 공급받고, 의료진의 도움을 구한다.
환자가 의식을 잃었을 경우에는 안전한 자세에서 환자를 운반한다.

(3 쪽에 계속)

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GHS에 따라라다

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개정: 2022.09.13

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(3 쪽부터계속)

· **구체적 최종 최종자** 추가적인 정보가 존재하지 않습니다.

8 노출방지 및 개인보호구

· **첨단시설 디자인에 대한 추가정보:** 더 이상 의 자료는 없음. 항 목 7 을 참고하시 오.

통제 **통제통제** 변수

· **화학물질의 노출기준, 생물학적 노출기준 등:**

88-89-1 피크릭 산

OELV (KR)	장기간의값: 0.1 mg/m ³ Skin
IOELV (EU)	장기간의값: 0.1 mg/m ³
PEL (US)	장기간의값: 0.1 mg/m ³ Skin
REL (US)	단기간의값: 0.3 mg/m ³ 장기간의값: 0.1 mg/m ³ Skin
TLV (US)	장기간의값: 0.1 mg/m ³

· **추가정보** 정보 할 당시에 유 효 한 목 록 을 기 초 로 사 용 했 다.

노출 **노출통제** 통제

개인개인 **개인보호구**

· **일반적보호조치및위생조치:**

- 식료품, 음료수와 사료로부터 멀리떨어뜨려놓는다.
- 더러워지거나음료수가물은옷은즉시탈의한다.
- 휴식전이나작업이끝날때마다손을씻는다.
- 방호복은따로보관한다.
- 눈과피부와의접촉은피한다.

· **호흡기보호보호**

· 단 시간 또는 경미한 오염의 경우에는 호흡여과기를 사용한다. 심각한 또는 장기간 노출 시에는 호흡보호장비를 사용한다.

보수보호보호



보 호 용 장 갑

장갑재질은제품 / 원료 / 조제를투과시키지않아야하고, 내구성이있어야한다.

테스트를하지않았기때문에제품 / 조제 / 화학혼합물에적합한장갑재질에대한추천이없다.

투과시간, 침투율과저하를고려해서장갑재료를선택한다.

· **장갑의재료**

· 적합한장갑의선택은재질차이뿐아니라품질기준의차이도고려하여이루어져야하고제조업종에따라서도다르게선정되어야한다. 제품은다양한재료로부터의조제로이루어지는것이기때문에, 장갑재질의안정성은사전에예측되어질수있는것이아니고, 반드시사용전에(그안전성이) 체크되어야한다.

· **장갑재료의투과시간** 정확한관통시간은보호장갑제조자에의하여인지되고, 준수되어야한다.

(5 쪽에계속)

물질안전보건자료

GHS에 따라라다

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개정: 2022.09.13

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보호 보호 보호

(4 쪽부터 계속)



꼭조이는보안경

9 물리화학적 특성

기본 물리화학적 특성에 대한 기본 정보

· 일반정보	
외형외형의형	고체
물리상태상태	노랑
색:	무취의
냄새냄새냄새	알맞지않다.
· 후각역치	
· pH:	해당사항 없음.
· 상태변화	
녹는점/어는점:	121 °C
초기초기 녹는 점과 끓는점범위범위	알맞지않다
· 인화점:	150 °C
· 인화성(고체)기체기체	쉽게발화하는
· 점화온도:	300 °C
분해온도온도	알맞지않다.
· 자기점화:	이제품은자연발화성이없다.
· 폭발위험:	알맞지않다.
인화안화안화폭발폭발위험위험상한상한	하한
아래로:	알맞지않다.
위로위로위로	알맞지않다.
· 증기압 의경우 20 °C:	23 hPa
밀도밀도 의경우 20 °C:	1.8 g/cm ³
비중비중비중	알맞지않다.
· 증기밀도:	해당사항 없음.
증발증발증발속도	해당사항 없음.
· 용해도:	
물:	가용의
· n 옥탄올/물 분배계수:	알맞지않다.
점도점도점도	
역학성:	해당사항 없음.
동점성:	해당사항 없음.

(6 쪽에 계속)

물질안전보건자료

GHS에 따라라따

인쇄일자: 2022.09.13

개정: 2022.09.13

제품명: PICRIC ACID, REAGENT, CRYSTAL, ACS

(5 쪽부터계속)

· 용매내용물

고체양함량함량	100.0 %
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기타정보정보 추가적인 정보가 존재하지 않습니다.

10 안정성 및 반응성

- **반응성** 추가적인 정보가 존재하지 않습니다.
- **화학적 안정성**
- **화학적 안정성/유해반응의 가능성 / 피해야할 조건조건**에 따라사용할 경우해체는없다
- **유해반응 가능성** 위험한반응으로는알려지지않았다.
- **피해야할 조건조건** 추가적인 정보가 존재하지 않습니다.
- **혼합 혼합물 혼합물** 추가적인 정보가 존재하지 않습니다.
- **유해분해물질:** 위험성있는분해물들은알려지지않았다.

11 독성에 관한 정보

- **독성학적 영향에 대한정보**
- 급성독성독성독성
- **입체적 자극자극 효과**
- 피부피부 자극성 또는 자극성: 무자극
- 심한심한 자극성 또는 자극성: 무자극.
- **감각화:** 민감한영향이없는것으로알려져있다.
- **추가적인 독성에 관한정보**
- 이제품은유럽공동체의공동분류원칙의합법적인절차에근거하여최근에발효된원고에서아래위험들의사전준비에대하여제시하고있다.
- 독성의

12 환경에 미치는 영향

- 독성독성독성
- **수생독성:** 추가적인 정보가 존재하지 않습니다.
- **지속성 및 분해성** 추가적인 정보가 존재하지 않습니다.
- **환경 시스템에서의 행동:**
- **생물농축 잠재성** 추가적인 정보가 존재하지 않습니다.
- **토양내 이동성** 추가적인 정보가 존재하지 않습니다.
- **추가적인 생태학정보정보**
- 일반일반일반특징
- 수질오염등급 2 (자체등급분류): 수질오염이된 지하수나, 하천으로또는하수도망에도달하지않게한다. 지하수로경미한양이유입되었을경우엔이미식수오염상태이다
- **PBT(잔류성, 생물농축성, 물질독성) 및 vPvB(고 잔류성, 고 생물농축성, 물질독성)에 해당하지 않음.**
- **PBT(잔류성, 생물농축성, 물질독성) 및 vPvB(고 잔류성, 고 생물농축성, 물질독성)에 해당하지 않음.**
- **vPvB(고 잔류성, 고 생물농축성, 물질독성)에 해당하지 않음.**

(7 쪽에계속)

물질안전보건자료

GHS에 따라라따

인쇄일자: 2022.09.13

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(7 쪽부터계속)

<ul style="list-style-type: none"> · Excepted quantities (EQ) 	Code: E0 Not permitted as Excepted Quantity
운송위험분류구분 터널내행위제한코드	1 B
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	500 g Code: E4 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 500 g
· UN번호	UN 1344 TRINITROPHENOL (PICRIC ACID), WETTED, 4.1, I

15 법적 규제현황

· 산업안전보건법에 의해규제

제조제조금지물질:

어떠한내용물도목록화되어있지않다

· 허가대상물질:

어떠한내용물도목록화되어있지않다

· 관리대상유해물질:

어떠한내용물도목록화되어있지않다

· 작업환경측정 대상유해인자

어떠한내용물도목록화되어있지않다

· 특수건강진단 대상유해인자

어떠한내용물도목록화되어있지않다

해당해당물질 또는 혼합물 에 대한 안전보건자료 작성요구를 법률 상적인 정보가 존재하지 않습니다.

· Korean Existing Chemical Inventory

88-89-1 피크릭 산

KE-34715

· 화학물질관리법

· 사고대비물질

어떠한내용물도목록화되어있지않다

· 금지물질

어떠한내용물도목록화되어있지않다

· 제한물질

어떠한내용물도목록화되어있지않다

· 유독물질

모든내용물이목록화되어있다

· 허가물질

모든내용물이목록화되어있다

· 위험물안전관리법 (위험물 및 지정수량) 제 5: 200 킬로그램

(9 쪽에계속)

安全資料表

據根據據危害性化學品標示及通識規則

打印日期 2022.09.13

在 2022.09.13 審核

1 化學品與廠商資料

- 產品識別者
- 化學品中文名稱、名稱、化學品俗名或商品名: PICRIC ACID, REAGENT, CRYSTAL, ACS
- 商品編號: 19550
- 相應純物質或者混合物的相關下位用途及禁止用途 無相關詳細資料。
- 物質或混合物的用途 實驗室化學物
- 安全技術說明書內供應商詳細信息
- 企業名稱:
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- 可獲取更多資料的部門: Product safety department
- 緊急聯繫電話號碼:
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 危害辨識資料

- 緊急情況概述:
黃色，固體，易燃固體。吞食、皮膚接觸或吸入可致中毒。

- GHS危險性類別



火焰

易燃固體 第2級 H228 易燃固體



骷髏和交叉骨

急毒性物質(吞食) 第3級 H301 吞食有毒
急毒性物質(皮膚) 第3級 H311 皮膚接觸有毒
急毒性物質(吸入) 第3級 H331 吸入有毒

- 標籤要素

- GHS標籤元素 本產品根據化學物質分類及標記全球協調制度(GHS)進行了分類及標記。

- 象形圖



GHS02 GHS06

- 警示詞 危險

- 標籤上辨別危險的成份:

苦味酸

(在 2 頁繼續)

安全資料表

據根據危險性化學品標示及通識規則

打印日期 2022.09.13

在 2022.09.13 審核

化學品中文名稱名稱/化學品俗名或商品名：PICRIC ACID, REAGENT, CRYSTAL, ACS

(在 1 頁繼續)



- **危險性說明**
- 易燃固體
- 吞食、皮膚接觸或吸入可致中毒。
- **防範說明**
- **事故響應**
- 如誤吞咽：立即呼叫解毒中心/醫生
- 專項處置(參見本標示)。
- 漱口。
- 立即脫掉所有沾染的衣服，清洗後方可重新使用
- **安全貯存**
- 加鎖存放。
- **廢棄處置**
- 按照地方/區域/國家/國際法規處理內容物之廢棄/容器。
- **其他有害性**
- PBT(殘留性、生物濃縮性、毒性物質) 及 vPvB(高殘留性、高生物濃縮性物質)評價結果
- PBT(殘留性、生物濃縮性、毒性物質) 不適用的
- vPvB(高殘留性、高生物濃縮性物質): 不適用的

3 成分辨識資料

- **混合物**

描述描述描述以下含有無害添加劑的成分組成的混合物

- **危險的成分:**

88-89-1	苦味酸	>50-≤100%
	 爆炸物 第1.1級, H201;  急毒性物質(吞食) 第3級, H301; 急毒性物質(皮膚) 第3級, H311; 急毒性物質(吸入) 第3級, H331	

4 急救措施

- **應急措施要領**

- **總說明:**

馬上脫下染有該產品的衣服。
只在徹底地脫去了已被汙染的衣服之後才能移走呼吸儀器。
萬一出現了不規則的呼吸或呼吸的阻礙,請為病人提供人工呼吸。

- **吸入吸入吸入**

供給新鮮空氣或氧氣;叫醫生。
萬一病人不清醒時,請讓病人側躺以便移動。

- **皮膚接觸:** 馬上用水和肥皂進行徹底的沖洗。
- **眼睛接觸:** 張開眼睛在流水下沖洗數分鐘,然後諮詢醫生。

- **食入食入食入**勿引發嘔吐;請馬上尋求醫療的協助。

- **給醫生的資料:**

- **最重要的急慢性症狀及其影響** 無相關詳細資料。
- **需要及時的醫療處理及特別處理的症狀** 無相關詳細資料。

-TW

(在 3 頁繼續)

安全資料表

據根據危險性化學品標示及通識規則

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(在 2 頁繼續)

5 滅火措施

- **滅火方法**
- **滅火的方法和滅火劑:** 使用適合四周環境的滅火措施。
- **特別危險性** 無相關詳細資料。
- **特殊滅火方法**
- **消防人員特殊的防護裝備:** 口腔呼吸保護裝置。

6 洩漏處理方法

- **保護措施** 帶上保護儀器. 讓未受到保護的人們遠離。
- **環境保護措施:** 切勿讓其進入下水道/水面或地下水。
- **密封及淨化方法和材料:**
根據第 13 條條款棄置受汙染物。
確保有足夠的通風裝置。
- **參照其他部分**
有關安全處理的資料請參閱第 7 節。
有關個人保護裝備的資料請參閱第 8 節。
有關棄置的資料請參閱第 13 節。

7 安全處置與儲存方法

- **操作處置**
- **儲存** 儲存儲存
徹底除塵。
確保工作間有良好的通風/排氣裝置。
小心打開及處理貯藏器。
- **有關火災及防止爆炸的資料:**
遠離火源 - 切勿吸煙。
防熱。
防靜電。
提供呼吸保護裝置。
- **混合危險性等安全儲存條件**
- **儲存** 儲存儲存
· **儲存庫和容器須要達到的要求:** 儲存在陰涼的位置。
· **有關使用一個普通的儲存設施來儲存的資料:** 不需要。
· **有關儲存條件的更多資料:**
將容器密封。
儲存密封的貯藏器內,並放在陰涼、幹爽的位置。
免受接觸熱力和直接受陽光照射。
· **具體的最終用戶** 無相關詳細資料。

8 暴露預防措施

- **工程控制方法:** 沒有進一步數據,見第 7 項。

(在 4 頁繼續)

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(在 3 頁繼續)

· 控制變數

· 在工作場需要監控的限值成分

88-89-1 苦味酸

PEL (TW)	PC-TWA: 0.1 mg/m ³
OEL (CN)	PC-TWA: 0.1 mg/m ³

· 額外的資料：制作期間有效的清單將作為基礎來使用。

· 遺漏控制

· 個人防護設備：

· 一般保護和衛生措施：

遠離食品、飲料和飼料。

立即除去所有的不潔的和被汙染的衣服。

在休息之前和工作完畢後請清洗雙手。

分開儲存保護性衣服。

避免和眼睛及皮膚接觸。

· 呼吸系統防護：

如果會短暫接觸或在低汙染的情況下，請使用呼吸過濾裝置。如果會深入或較長時間接觸，請使用獨立的呼吸保護裝置。

· 手防護：



保護手套

手套的物料必須是不滲透性的，且能抵抗該產品/物質/添加劑。

基於缺乏測試，對於產品/制劑/化學混合物，並不會提供手套材料的建議

選擇手套材料時，請注意材料的滲透時間，滲濾率和降解參數

· 手套材料

選擇合適的手套不單取決於材料，亦取決於質量特征，以及來自哪一間生產廠家，因為該產品是由很多材料配制而成，手套材料的抵抗力並不可預計，所以，必須在使用之前進行檢查

· 滲入手套材料的時間 請向勞保手套生產廠家獲取準確的破裂時間並觀察實際的破裂時間

· 眼睛防護：



密封的護目鏡

9 物理及化學性質

· 有關基本物理及化學特性的資訊

· 一般說明

外觀外觀外觀

形狀形狀形狀	固體
顏色顏色顏色	黃色
氣味氣味氣味	無氣味的
· 嗅覺閾限	未決定。
· pH值：	不適用的

(在 5 頁繼續)

安全資料表

據根據據據害性化學品標示及通識規則

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(在 5 頁繼續)

11 毒性資料

- 對毒性學影響的資訊
- 急性毒性:
- 重要的刺激劑影響:
- 皮膚皮膚皮膚有刺激性影響.
- 在眼睛上面: 沒有刺激的影響.
- 致敏致敏致敏作用有已知的敏化影響.
- 更多毒物的資料:
- 根據有關配制的 一般歐盟分類指南的計算方法 (刊印在最新版本), 該產品顯示以下的危險:
- 毒性的

12 生態資料

- 毒態毒性毒性
- 水生毒性: 無相關詳細資料。
- 持久性和降解性降解性相關詳細資料。
- 環境系統習性:
- 潛在的累積性相關詳細資料。
- 土壤土壤土壤移動性相關詳細資料。
- 額外的生態學資料:
- 包括注釋
- 水危害級別 2 (德國規例) (通過名單進行自我評估): 對水是危害的
- 不要讓該產品接觸地下水、水道或污水系統。
- 即使是小量的產品滲入地下也會對飲用水造成危險。
- PBT(殘留性、生物濃縮性、毒性物質) 及 vPvB(高殘留性、高生物濃縮性物質) 評價結果
- PBT(殘留性、生物濃縮性、毒性物質) 不適用的
- vPvB(高殘留性、高生物濃縮性物質): 不適用的
- 其他其他其他用無相關詳細資料。

13 廢棄處置方法

- 廢棄處置方法
- 建議建議建議將該產品和家居垃圾一起丟棄. 不要讓該產品接觸污水系統。
- 受污染的容器和包裝:
- 建議建議建議根據官方的規章來丟棄。
- 建議建議建議洗滌如有必要請使用水及清潔劑進行清潔。

14 運送資料

聯合聯危圖危險貨物編號(UN號)

· ADR, IMDG, IATA UN1344

適當適當適當名

· ADR 1344 TRINITROPHENOL (PICRIC ACID), WETTED

(在 7 頁繼續)

安全資料表


據根據據據性化學品標示及通識規則

打印日期 2022.09.13

在 2022.09.13 審核

化學品中文名稱名稱名稱 化學品俗名或商品名：PICRIC ACID, REAGENT, CRYSTAL, ACS

(在 6 頁繼續)

· IMDG, IATA	TRINITROPHENOL (PICRIC ACID), WETTED
運輸運輸運輸等級	
· ADR, IMDG, IATA	
	
· 級別 標籤標籤標籤	4.1 易燃固體、自反應物質和固態退敏爆炸品 4.1
· 包裝組別 · ADR, IMDG, IATA	I
· 環境危害	不適用的
· 用戶特別預防措施 · 危險編碼： · 標碼號碼號碼 · Stowage Category · Segregation Code	警告：易燃固體、自反應物質和固態退敏爆炸品 60 F-B,S-J E SG7 Stow "away from" class 3 SG30 Stow "away from" SGG7-heavy metals and their salts
· MARPOL73/78(針對船舶引起的海洋污染預防協 約附件書據據根據根據C國際國際國際船貨物編碼) 的大量運送	不適用的
運輸運輸運輸的資料：	
· ADR · Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	500 g Code: E4 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 500 g
· UN "標準規定":	UN 1344 TRINITROPHENOL (PICRIC ACID), WETTED, 4.1, I

15 法規資料

- 對相應純物質或者混合物的安全、保健及環境法規/法律 無相關詳細資料。
- 優先管理化學品之指定及運作管理辦法

附表附表對於未滿十八歲區域區域後未滿女年女性變工具危害性之化學品

沒有列出成份

- 附件 1: 2 條第 2 款指定之化學品

沒有列出成份

(在 8 頁繼續)

安全資料表

據根據據據害性化學品標示及通識規則

打印日期 2022.09.13

在 2022.09.13 審核

化學品中文名稱名稱名稱：PICRIC ACID, REAGENT, CRYSTAL, ACS

(在 7 頁繼續)

· 附件 2: 2 條第 3 款指定之化學品

沒有列出成份

· 新化學物質及既有化學物質資料登錄辦法 英

沒有列出成份

· 國現國現國稅學物質名錄

列出所有成份

· TCSCA

· 列管編號編號編號

沒有列出成份

· 毒性分類

沒有列出成份

· 管制濃度 (w/w %)

沒有列出成份

· 大量運作基準基公斤)

沒有列出成份

· 新化學物質及既有化學物質資料登錄辦法, 附表六

沒有列出成份

· TCSI - Taiwan Chemical Substance Inventory

列出所有成份

· GHS 標籤元素 本產品根據化學物質分類及標記全球協調制度(GHS)進行了分類及標記。

· 象形圖



GHS02 GHS06

· 警示 警示 警告 危險

· 標籤上辨別危險的成份:

苦味酸

· 危險性說明

易燃固體

吞食、皮膚接觸或吸入可致中毒。

· 防範說明

· 事故響應

如誤吞咽：立即呼叫解毒中心/醫生

專項處置(參見本標示)。

漱口。

立即脫掉所有沾染的衣服，清洗後方可重新使用

· 安全貯存

加鎖存放。

· 廢棄處置

按照地方/區域/國家/國際法規處理內容物之廢棄/容器。

(在 9 頁繼續)

安全資料表

據根據危險性化學品標示及通識規則

打印日期 2022.09.13

在 2022.09.13 審核

化學品中文名稱名稱, 化學品俗名或商品名 : PICRIC ACID, REAGENT, CRYSTAL, ACS

· 化學物質安全性評價: 尚未進行化學物質安全性評價

(在 8 頁繼續)

16 其他資料

該資料是基於我們目前的知識。然而,這並不構成對任何特定產品特性的擔保並且不建立一個法律上有效的合同關係。

· 聯絡:

· 縮寫:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: 持久性生物累積性有毒物質

vPvB: very Persistent and very Bioaccumulative

爆炸物 第1.1級: Explosives – Division 1.1

易燃固體 第2級: Flammable solids – Category 2

急毒性物質(吞食) 第3級: Acute toxicity – Category 3

-TW-

Ficha de dados de segurança
em conformidade com 1907/2006/CE, Artigo 31°

data da impressão 13.09.2022

Revisão: 13.09.2022

SECCÃO 1: Identificação da substância/mistura e da sociedade/empresa

- **1.1 Identificador do produto**
- **Nome comercial:** PICRIC ACID, REAGENT, CRYSTAL, ACS
- **Código do produto:** 19550
- **UFI:** JJ40-00C3-800T-W4GT
- **1.2 Utilizações identificadas relevantes da substância ou mistura e utilizações desaconselhadas**
Não existe mais nenhuma informação relevante disponível.
- **Utilização da substância / da preparação** Químicos de laboratório
- **1.3 Identificação do fornecedor da ficha de dados de segurança**
- **Fabricante/fornecedor:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Entidade para obtenção de informações adicionais:** Product safety department
- **1.4 Número de telefone de emergência:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

SECCÃO 2: Identificação dos perigos

- **2.1 Classificação da substância ou mistura**
- **Classificação em conformidade com o Regulamento (CE) n.º 1272/2008**



GHS02 chama

Flam. Sol. 2 H228 Sólido inflamável.



GHS06 caveira sobre tibias cruzadas

Acute Tox. 3 H301 Tóxico por ingestão.

Acute Tox. 3 H311 Tóxico em contacto com a pele.

Acute Tox. 3 H331 Tóxico por inalação.

- **2.2 Elementos do rótulo**
- **Rotulagem em conformidade com o Regulamento (CE) n.º 1272/2008**
O produto classificou-se e está etiquetado em conformidade com o regulamento CLP.
- **Pictogramas de perigo**



GHS02



GHS06

- **Palavra-sinal** Perigo

(continuação na página 2)

Ficha de dados de segurança

em conformidade com 1907/2006/CE, Artigo 31°

data da impressão 13.09.2022

Revisão: 13.09.2022

Nome comercial: **PICRIC ACID, REAGENT, CRYSTAL, ACS**



(continuação da página 1)

- **Componentes determinantes para os perigos constantes do rótulo:**
2,4,6-trinitrofenol
- **Advertências de perigo**
H228 Sólido inflamável.
H301+H311+H331 Tóxico por ingestão, contacto com a pele ou inalação.
- **Recomendações de prudência**
P301+P310 EM CASO DE INGESTÃO: contacte imediatamente um CENTRO DE INFORMAÇÃO ANTIVENENOS/médico.
P321 Tratamento específico (ver no presente rótulo).
P330 Enxaguar a boca.
P361+P364 Retirar imediatamente a roupa contaminada e lavá-la antes de a voltar a usar.
P405 Armazenar em local fechado à chave.
P501 Eliminar o conteúdo/recipiente de acordo com a legislação local/regional/nacional/internacional.
- **2.3 Outros perigos**
- **Resultados da avaliação PBT e mPmB**
- **PBT:** Não aplicável.
- **mPmB:** Não aplicável.

SECÇÃO 3: Composição/informação sobre os componentes

- **3.2 Caracterização química: Misturas**
- **Descrição:** Mistura das seguintes substâncias com aditivos não perigosos.

- **Substâncias perigosas:**

CAS: 88-89-1	2,4,6-trinitrofenol	>50-≤100%
EINECS: 201-865-9	 Expl. 1.1, H201;  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	

- **Avisos adicionais:** O texto das indicações de perigo aqui incluído poderá ser consultado no capítulo 16.

SECÇÃO 4: Medidas de primeiros socorros

- **4.1 Descrição das medidas de primeiros socorros**
- **Indicações gerais:**
O vestuário contaminado com substâncias perigosas deve ser imediatamente removido.
Tirar a protecção respiratória apenas depois de ter sido despido o vestuário contaminado.
Em caso de respiração irregular ou paragem da respiração, executar respiração artificial.
- **Em caso de inalação:**
Ar fresco ou entrada de oxigénio; solicitar auxílio médico.
Se a vítima estiver inconsciente, posicioná-la e transportá-la com estabilidade, deitada lateralmente.
- **Em caso de contacto com a pele:** Lavar imediatamente com água e sabão e enxaguar abundantemente.
- **Em caso de contacto com os olhos:**
Enxaguar os olhos durante alguns minutos sob água corrente, mantendo as pálpebras abertas, e consultar o médico.
- **Em caso de ingestão:** Não induzir o vômito; consultar o médico imediatamente.
- **4.2 Sintomas e efeitos mais importantes, tanto agudos como retardados**
Não existe mais nenhuma informação relevante disponível.

(continuação na página 3)

Ficha de dados de segurança

em conformidade com 1907/2006/CE, Artigo 31º

data da impressão 13.09.2022

Revisão: 13.09.2022

Nome comercial: PICRIC ACID, REAGENT, CRYSTAL, ACS

(continuação da página 2)

- **4.3 Indicações sobre cuidados médicos urgentes e tratamentos especiais necessários**
Não existe mais nenhuma informação relevante disponível.

SECCÃO 5: Medidas de combate a incêndios

- **5.1 Meios de extinção**
- **Meios adequados de extinção:** Coordenar no local medidas para extinção do fogo.
- **5.2 Perigos especiais decorrentes da substância ou mistura**
Não existe mais nenhuma informação relevante disponível.
- **5.3 Recomendações para o pessoal de combate a incêndios**
- **Equipamento especial de protecção:** Colocar máscara de respiração.

SECCÃO 6: Medidas a tomar em caso de fugas accidentais

- **6.1 Precauções individuais, equipamento de protecção e procedimentos de emergência**
Usar equipamento de protecção. Manter as pessoas desprotegidas afastadas.
- **6.2 Precauções a nível ambiental:**
Evitar que penetre na canalização / águas superficiais / águas subterrâneas.
- **6.3 Métodos e materiais de confinamento e limpeza:**
Eliminar residualmente as substâncias contaminadas como um resíduo segundo o Ponto 13.
Assegurar uma ventilação adequada.
- **6.4 Remissão para outras secções**
Para informações sobre uma manipulação segura, ver o capítulo 7.
Para informações referentes ao equipamento de protecção individual, ver o capítulo 8.
Para informações referentes à eliminação residual, ver o capítulo 13.

SECCÃO 7: Manuseamento e armazenagem

- **7.1 Precauções para um manuseamento seguro**
Remover completamente o pó.
Assegurar uma boa ventilação / exaustão no local de trabalho.
Abrir e manusear o recipiente com cuidado
- **Precauções para prevenir incêndios e explosões:**
Manter afastado de fontes de ignição - não fumar.
Proteger do calor.
Proteger contra descargas electrostáticas.
Manter uma máscara de respiração sempre preparada.
- **7.2 Condições de armazenagem segura, incluindo eventuais incompatibilidades**
- **Armazenagem:**
- **Requisitos para espaços ou contentores para armazenagem:** Armazenar num local fresco.
- **Avisos para armazenagem conjunta:** Não necessário.
- **Outros avisos sobre as condições de armazenagem:**
Manter o recipiente hermeticamente fechado.
Armazenar em recipientes bem fechados, em local fresco e seco.
Proteger do calor e da radiação directa do sol.

(continuação na página 4)

Ficha de dados de segurança

em conformidade com 1907/2006/CE, Artigo 31º

data da impressão 13.09.2022

Revisão: 13.09.2022

Nome comercial: **PICRIC ACID, REAGENT, CRYSTAL, ACS**

(continuação da página 3)

· **7.3 Utilização(ões) final(is) específica(s)** Não existe mais nenhuma informação relevante disponível.

SECÇÃO 8: Controlo da exposição/Protecção individual

- **8.1 Parâmetros de controlo**
- **Indicações adicionais para concepção de instalações técnicas:**
Não existem outras informações, ver ponto 7.

· **Componentes cujo valor do limite de exposição no local de trabalho deve ser monitorizado:****88-89-1 2,4,6-trinitrofenol**

VLE	Valor para exposição longa: 0,1 mg/m ³ Sensibilização cutânea;dermatose;irritação ocular
-----	--------------------------------------------------------------------------------------------------------

- **Indicações adicionais:** Foram utilizadas como base as listas válidas à data da elaboração.
- **8.2 Controlo da exposição**
- **Equipamento de protecção individual:**
- **Medidas gerais de protecção e higiene:**
Manter afastado de alimentos, bebidas e forragens.
Despir imediatamente a roupa contaminada e embebida.
Lavar as mãos antes das pausas e no fim do trabalho.
Guardar o vestuário de protecção separadamente.
Evitar o contacto com os olhos e com a pele.
- **Protecção respiratória:**
Utilizar uma máscara respiratória se a exposição for reduzida ou durante um curto espaço de tempo; se esta for mais prolongada ou mais intensa, utilizar uma máscara respiratória independente do ar ambiente.
- **Protecção das mãos:**



Luvas de protecção

O material das luvas tem de ser impermeável e resistente ao produto / à substância / preparação.
Uma vez que não foram realizados testes nesta área, não podemos recomendar um determinado tipo de material para as luvas que seja adequado para o produto / a preparação / a mistura de químicos.
Escolher o material das luvas tendo em consideração a durabilidade, a permeabilidade e a degradação.

- **Material das luvas**
A escolha das luvas mais adequadas não depende apenas do material, mas também de outras características qualitativas e varia de fabricante para fabricante. O facto de o produto ser composto por uma variedade de materiais leva a que não seja possível prever a duração dos mesmos e, consequentemente, das luvas, sendo assim necessário proceder a uma verificação antes da sua utilização.
- **Tempo de penetração no material das luvas**
Deve informar-se sobre a validade exacta das suas luvas junto do fabricante e respeitá-la.
- **Protecção dos olhos:**



Óculos de protecção totalmente fechados

PT

(continuação na página 5)

Ficha de dados de segurança
em conformidade com 1907/2006/CE, Artigo 31°

data da impressão 13.09.2022

Revisão: 13.09.2022

Nome comercial: **PICRIC ACID, REAGENT, CRYSTAL, ACS**

(continuação da página 4)

SECÇÃO 9: Propriedades físico-químicas

· **9.1 Informações sobre propriedades físicas e químicas de base**

· **Informações gerais**

· **Aspetto:**

Forma: Sólido

Cor: Amarelo

· **Odor:** Inodoro

· **Limiar olfactivo:** Não determinado.

· **valor pH:** Não aplicável.

· **Mudança do estado:**

Ponto de fusão/ponto de congelação: 121 °C

Ponto de ebulição inicial e intervalo de ebulição: Não determinado.

· **Ponto de inflamação:** 150 °C

· **Inflamabilidade (sólido, gás):** Facilmente inflamável.

· **Temperatura de ignição:** 300 °C

· **Temperatura de decomposição:** Não determinado.

· **Temperatura de autoignição:** O produto não é auto-inflamável.

· **Propriedades explosivas:** Não determinado.

· **Limites de explosão:**

Inferior: Não determinado.

Superior: Não determinado.

· **Pressão de vapor em 20 °C:** 23 hPa

· **Densidade em 20 °C:** 1,8 g/cm³

· **Densidade relativa** Não determinado.

· **Densidade de vapor** Não aplicável.

· **Taxa de evaporação:** Não aplicável.

· **Solubilidade em / miscibilidade com água:** Solúvel.

· **Coeficiente de partição: n-octanol/água** Não determinado.

· **Viscosidade:**

Dinâmico: Não aplicável.

Cinemático: Não aplicável.

· **Percentagem de solvente:**

Percentagem de substâncias sólidas: 100,0 %

· **9.2 Outras informações** Não existe mais nenhuma informação relevante disponível.

SECÇÃO 10: Estabilidade e reactividade

· **10.1 Reactividade** Não existe mais nenhuma informação relevante disponível.

(continuação na página 6)

Ficha de dados de segurança

em conformidade com 1907/2006/CE, Artigo 31º

data da impressão 13.09.2022

Revisão: 13.09.2022

Nome comercial: PICRIC ACID, REAGENT, CRYSTAL, ACS

(continuação da página 5)

- **10.2 Estabilidade química**
- **Decomposição térmica / condições a evitar:**
Não existe decomposição se usado de acordo com as especificações.
- **10.3 Possibilidade de reações perigosas** Não se conhecem reações perigosas.
- **10.4 Condições a evitar** Não existe mais nenhuma informação relevante disponível.
- **10.5 Materiais incompatíveis:** Não existe mais nenhuma informação relevante disponível.
- **10.6 Produtos de decomposição perigosos:** Não se conhecem produtos de decomposição perigosos.

SECÇÃO 11: Informação toxicológica

- **11.1 Informações sobre os efeitos toxicológicos**
- **Toxicidade aguda**
Tóxico por ingestão, contacto com a pele ou inalação.
- **Efeito de irritabilidade primário:**
- **Corrosão/irritação cutânea**
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Lesões oculares graves/irritação ocular**
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Sensibilização respiratória ou cutânea**
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Avisos adicionais de toxicologia:**
- **Efeitos CMR (carcinogenicidade, mutagenicidade e efeitos tóxicos na reprodução)**
- **Mutagenicidade em células germinativas**
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Carcinogenicidade** Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Toxicidade reprodutiva** Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Toxicidade para órgãos-alvo específicos (STOT) - exposição única**
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Toxicidade para órgãos-alvo específicos (STOT) - exposição repetida**
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Perigo de aspiração** Com base nos dados disponíveis, os critérios de classificação não são preenchidos.

SECÇÃO 12: Informação ecológica

- **12.1 Toxicidade**
- **Toxicidade aquática:** Não existe mais nenhuma informação relevante disponível.
- **12.2 Persistência e degradabilidade** Não existe mais nenhuma informação relevante disponível.
- **12.3 Potencial de bioacumulação** Não existe mais nenhuma informação relevante disponível.
- **12.4 Mobilidade no solo** Não existe mais nenhuma informação relevante disponível.
- **Outras indicações ecológicas:**
- **Indicações gerais:**
Classe de perigo para a água 2 (D) (auto-classificação): perigoso para a água.
Não deixar chegar às águas subterrâneas, aos cursos de água nem à canalização.
Perigo de poluição da água potável mesmo se forem derramadas quantidades muito pequenas no subsolo.
- **12.5 Resultados da avaliação PBT e mPmB**
- **PBT:** Não aplicável.
- **mPmB:** Não aplicável.

(continuação na página 7)

Ficha de dados de segurança
em conformidade com 1907/2006/CE, Artigo 31°

data da impressão 13.09.2022

Revisão: 13.09.2022

Nome comercial: PICRIC ACID, REAGENT, CRYSTAL, ACS

(continuação da página 6)

· **12.6 Outros efeitos adversos** Não existe mais nenhuma informação relevante disponível.

SECÇÃO 13: Considerações relativas à eliminação

· **13.1 Métodos de tratamento de resíduos**

· **Recomendação:**

Não se pode eliminar juntamente com o lixo doméstico. Não permita que chegue à canalização.

· **Embalagens contaminadas:**

· **Recomendação:** Eliminação residual conforme o regulamento dos serviços públicos.

· **Meio de limpeza recomendado:** Água, eventualmente com adição de produtos de limpeza

SECÇÃO 14: Informações relativas ao transporte

· **14.1 Número ONU**

· **ADR, IMDG, IATA**

UN1344

· **14.2 Designação oficial de transporte da ONU**

· **ADR**

1344 TRINITROFENOL (ÁCIDO PÍCRICO)
HUMEDECIDO

· **IMDG, IATA**

TRINITROPHENOL (PICRIC ACID), WETTED

· **14.3 Classes de perigo para efeitos de transporte**

· **ADR, IMDG, IATA**



· **Classe**

4.1 Matérias sólidas inflamáveis, matérias auto-reactivas, matérias que polimerizam e matérias explosivas dessensibilizadas sólidas

· **Rótulo**

4.1

· **14.4 Grupo de embalagem**

· **ADR, IMDG, IATA**

I

· **14.5 Perigos para o ambiente:**

Não aplicável.

· **14.6 Precauções especiais para o utilizador**

Atenção: Matérias sólidas inflamáveis, matérias auto-reactivas, matérias que polimerizam e matérias explosivas dessensibilizadas sólidas

· **Número de identificação de perigo (Nº Kemler):**

60

· **Nº EMS:**

F-B,S-J

· **Stowage Category**

E

· **Segregation Code**

SG7 Stow "away from" class 3

SG30 Stow "away from" SGG7-heavy metals and their salts

· **14.7 Transporte a granel em conformidade com o**

anexo II da Convenção MARPOL e o Código IBC Não aplicável.

(continuação na página 8)

Ficha de dados de segurança
em conformidade com 1907/2006/CE, Artigo 31°

data da impressão 13.09.2022

Revisão: 13.09.2022

Nome comercial: **PICRIC ACID, REAGENT, CRYSTAL, ACS**

(continuação da página 7)

· **Transporte/outras informações:**· **ADR**· **Quantidades Limitadas (LQ)**

0

· **Quantidades exceptuadas (EQ)**

Código: E0

Não admissível como quantidade exceptuada

· **Categoria de transporte**

1

· **Código de restrição em túneis**

B

· **IMDG**· **Limited quantities (LQ)**

500 g

· **Excepted quantities (EQ)**

Code: E4

Maximum net quantity per inner packaging: 1 g

Maximum net quantity per outer packaging: 500 g

· **UN "Model Regulation":**UN 1344 TRINITROFENOL (ÁCIDO PÍCRICO)
HUMEDECIDO, 4.1, I**SECÇÃO 15: Informação sobre regulamentação**· **15.1 Regulamentação/legislação específica para a substância ou mistura em matéria de saúde, segurança e ambiente**· **Diretiva 2012/18/UE**· **Substâncias perigosas designadas - ANEXO I Nenhum dos componentes se encontra listado.**· **Categoria "Seveso" H2 TOXICIDADE AGUDA**· **Quantidades-limiar (em toneladas), para a aplicação de requisitos de nível inferior 50 t**· **Quantidades-limiar (em toneladas), para a aplicação de requisitos de nível superior 200 t**· **Directiva 2011/65/UE relativa à restrição do uso de determinadas substâncias perigosas em equipamentos eléctricos e electrónicos - Anexo II**

Nenhum dos componentes se encontra listado.

· **REGULAMENTO (UE) 2019/1148**· **Anexo I - PRECURSORES DE EXPLOSIVOS OBJETO DE RESTRIÇÕES (Valor-limite máximo para efeitos de licenciamento nos termos do artigo 5.o, n.o 3)**

Nenhum dos componentes se encontra listado.

· **Anexo II - PRECURSORES DE EXPLOSIVOS PASSÍVEIS DE PARTICIPAÇÃO**

Nenhum dos componentes se encontra listado.

· **Regulamento (CE) n.º 273/2004 relativo aos precursores de drogas**

Nenhum dos componentes se encontra listado.

· **Regulamento (CE) n.º 111/2005 que estabelece regras de controlo do comércio de precursores de drogas entre a Comunidade e países terceiros**

Nenhum dos componentes se encontra listado.

· **15.2 Avaliação da segurança química: Não foi realizada nenhuma Avaliação de Segurança Química.**

PT

(continuação na página 9)

Ficha de dados de segurança
em conformidade com 1907/2006/CE, Artigo 31º

data da impressão 13.09.2022

Revisão: 13.09.2022

Nome comercial: PICRIC ACID, REAGENT, CRYSTAL, ACS

(continuação da página 8)

SECÇÃO 16: Outras informações

As informações fornecidas baseiam-se no estado actual dos nossos conhecimentos, embora não representem uma garantia das propriedades do produto e não fundamentam uma relação contratual.

· **Frases relevantes**

H201 Explosivo; perigo de explosão em massa.

H301 Tóxico por ingestão.

H311 Tóxico em contacto com a pele.

H331 Tóxico por inalação.

· **Abreviaturas e acrónimos:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Expl. 1.1: Explosivos – Divisão 1.1

Flam. Sol. 2: Sólidos inflamáveis – Categoria 2

Acute Tox. 3: Toxicidade aguda – Categoria 3

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 13.09.2022

Revisión: 13.09.2022

SECCIÓN 1: Identificación de la sustancia o la mezcla y de la sociedad o la empresa

- **1.1 Identificador del producto**
- **Nombre comercial:** PICRIC ACID, REAGENT, CRYSTAL, ACS
- **Número del artículo:** 19550
- **UFI:** JJ40-00C3-800T-W4GT
- **1.2 Usos pertinentes identificados de la sustancia o de la mezcla y usos desaconsejados**
No existen más datos relevantes disponibles.
- **Utilización del producto / de la elaboración** Sustancias químicas de laboratorio
- **1.3 Datos del proveedor de la ficha de datos de seguridad**
- **Fabricante/distribuidor:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Aname**
C/ Perez Galdos no. 2
28693 Quijorna
Madrid, Spain
Tel: +34.91.816.89.50
Fax: +34.91.816.85.94
email: ventas@aname.es
- **Área de información:** Product safety department
- **1.4 Teléfono de emergencia:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

SECCIÓN 2: Identificación de los peligros

- **2.1 Clasificación de la sustancia o de la mezcla**
- **Clasificación con arreglo al Reglamento (CE) n° 1272/2008**



GHS02 llama

Flam. Sol. 2 H228 Sólido inflamable.



GHS06 calavera y tibias cruzadas

Acute Tox. 3 H301 Tóxico en caso de ingestión.

Acute Tox. 3 H311 Tóxico en contacto con la piel.

Acute Tox. 3 H331 Tóxico en caso de inhalación.

- **2.2 Elementos de la etiqueta**
- **Etiquetado con arreglo al Reglamento (CE) n° 1272/2008**
El producto se ha clasificado y etiquetado de conformidad con el reglamento CLP.

(se continua en página 2)

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 13.09.2022

Revisión: 13.09.2022

Nombre comercial: PICRIC ACID, REAGENT, CRYSTAL, ACS

(se continua en página 1)

· **Pictogramas de peligro**



GHS02 GHS06

· **Palabra de advertencia Peligro**

· **Componentes peligrosos a indicar en el etiquetaje:**

2,4,6-trinitrofenol

· **Indicaciones de peligro**

H228

Sólido inflamable.

H301+H311+H331 Tóxico en caso de ingestión, contacto con la piel o inhalación.

· **Consejos de prudencia**

P301+P310 EN CASO DE INGESTIÓN: Llamar inmediatamente a un CENTRO DE TOXICOLOGÍA/ médico.

P321 Se necesita un tratamiento específico (ver en esta etiqueta).

P330 Enjuagarse la boca.

P361+P364 Quitar inmediatamente todas las prendas contaminadas y lavarlas antes de volver a usarlas.

P405 Guardar bajo llave.

P501 Eliminar el contenido o el recipiente conforme a la reglamentación local/regional/nacional/ internacional.

· **2.3 Otros peligros**

· **Resultados de la valoración PBT y mPmB**

· **PBT:** No aplicable.

· **mPmB:** No aplicable.

SECCIÓN 3: Composición/información sobre los componentes

· **3.2 Caracterización química: Mezclas**

· **Descripción:**

Mezcla formada por las sustancias especificadas a continuación con adiciones no peligrosas.

· **Componentes peligrosos:**

CAS: 88-89-1	2,4,6-trinitrofenol	>50- ≤100%
EINECS: 201-865-9	Expl. 1.1, H201; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	

· **Indicaciones adicionales:**

El texto de los posibles riesgos aquí indicados se puede consultar en el capítulo 16.

SECCIÓN 4: Primeros auxilios

· **4.1 Descripción de los primeros auxilios**

· **Instrucciones generales:**

Quitarse de inmediato toda prenda contaminada con el producto.

Antes de quitarse la protección respiratoria, quítese la ropa contaminada.

En caso de respiración irregular o apnea (paro respiratorio), hágase la respiración artificial.

· **En caso de inhalación del producto:**

Suministrar aire fresco u oxígeno; solicitar ayuda médica.

(se continua en página 3)

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 13.09.2022

Revisión: 13.09.2022

Nombre comercial: PICRIC ACID, REAGENT, CRYSTAL, ACS

(se continua en página 2)

- *Las personas desmayadas deben tenderse y transportarse de lado con la suficiente estabilidad.*
- **En caso de contacto con la piel:** Lavar inmediatamente con agua y jabón y enjuagar bien.
- **En caso de con los ojos:**
 - *Limpiar los ojos abiertos durante varios minutos con agua corriente y consultar un médico.*
- **En caso de ingestión:** No provocar el vómito y solicitar asistencia médica inmediata.
- **4.2 Principales síntomas y efectos, agudos y retardados** No existen más datos relevantes disponibles.
- **4.3 Indicación de toda atención médica y de los tratamientos especiales que deban dispensarse inmediatamente**
No existen más datos relevantes disponibles.

SECCIÓN 5: Medidas de lucha contra incendios

- **5.1 Medios de extinción**
- **Sustancias extintoras apropiadas:**
 - *Combatir los incendios con medidas adaptados al ambiente circundante.*
- **5.2 Peligros específicos derivados de la sustancia o la mezcla** No existen más datos relevantes disponibles.
- **5.3 Recomendaciones para el personal de lucha contra incendios**
- **Equipo especial de protección:** Colocarse la protección respiratoria.

SECCIÓN 6: Medidas en caso de vertido accidental

- **6.1 Precauciones personales, equipo de protección y procedimientos de emergencia**
 - *Llevar puesto equipo de protección. Mantener alejadas las personas sin protección.*
- **6.2 Precauciones relativas al medio ambiente:**
 - *Evitar que penetre en la canalización /aguas de superficie /agua subterráneas.*
- **6.3 Métodos y material de contención y de limpieza:**
 - *Desechar el material contaminado como vertido según item 13.*
 - *Asegurar suficiente ventilación.*
- **6.4 Referencia a otras secciones**
 - *Ver capítulo 7 para mayor información sobre una manipulación segura.*
 - *Ver capítulo 8 para mayor información sobre el equipo personal de protección.*
 - *Para mayor información sobre cómo desechar el producto, ver capítulo 13.*

SECCIÓN 7: Manipulación y almacenamiento

- **7.1 Precauciones para una manipulación segura**
 - *Desempolvar cuidadosamente.*
 - *Asegurar suficiente ventilación /aspiración en el puesto de trabajo.*
 - *Abrir y manejar el recipiente con cuidado.*
- **Prevención de incendios y explosiones:**
 - *Mantener alejadas las fuentes de encendido. No fumar.*
 - *Proteger del calor.*
 - *Tomar medidas contra las cargas electrostáticas.*
 - *Tener preparados los aparatos respiratorios.*
- **7.2 Condiciones de almacenamiento seguro, incluidas posibles incompatibilidades**
- **Almacenamiento:**
 - **Exigencias con respecto al almacén y los recipientes:** Almacenar en un lugar fresco.
 - **Normas en caso de un almacenamiento conjunto:** No es necesario.

(se continua en página 4)

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 13.09.2022

Revisión: 13.09.2022

Nombre comercial: PICRIC ACID, REAGENT, CRYSTAL, ACS

(se continua en página 3)

- **Indicaciones adicionales sobre las condiciones de almacenamiento:**
Mantener el recipiente cerrado herméticamente.
Almacenarlo en envases bien cerrados en un lugar fresco y seco.
Proteger del calor y de la luz directa del sol.
- **7.3 Usos específicos finales** No existen más datos relevantes disponibles.

SECCIÓN 8: Controles de exposición/protección individual

- **8.1 Parámetros de control**
- **Instrucciones adicionales para el acondicionamiento de instalaciones técnicas:**
Sin datos adicionales, ver punto 7.

- **Componentes con valores límite admisibles que deben controlarse en el puesto de trabajo:**

88-89-1 2,4,6-trinitrofenol

LEP	Valor de larga duración: 0,1 mg/m ³
VLI	

- **Indicaciones adicionales:** Como base se han utilizado las listas vigentes en el momento de la elaboración.
- **8.2 Controles de la exposición**
- **Equipo de protección individual:**
- **Medidas generales de protección e higiene:**
Mantener alejado de alimentos, bebidas y alimentos para animales.
Quitarse de inmediato la ropa ensuciada o impregnada.
Lavarse las manos antes de las pausas y al final del trabajo.
Guardar la ropa protectora por separado.
Evitar el contacto con los ojos y la piel.
- **Protección respiratoria:**
Si la exposición va a ser breve o de poca intensidad, colocarse una máscara respiratoria. Para una exposición más intensa o de mayor duración, usar un aparato de respiración autónomo.
- **Protección de manos:**



Guantes de protección

El material del guante deberá ser impermeable y resistente al producto / sustancia / preparado.
Ante la ausencia de tests específicos, no se puede recomendar ningún material específico para guantes de protección contra el producto / preparado / mezcla de sustancias químicas.
Selección del material de los guantes en función de los tiempos de rotura, grado de permeabilidad y degradación.

- **Material de los guantes**

La elección del guante adecuado no depende únicamente del material, sino también de otras características de calidad, que pueden variar de un fabricante a otro. Teniendo en cuenta que el producto está fabricado a partir de diferentes materiales, su calidad no puede ser evaluada de antemano, de modo que los guantes deberán ser controlados antes de su utilización.

- **Tiempo de penetración del material de los guantes**

El tiempo de resistencia a la penetración exacto deberá ser pedido al fabricante de los guantes. Este tiempo debe ser respetado.

(se continua en página 5)

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 13.09.2022

Revisión: 13.09.2022

Nombre comercial: PICRIC ACID, REAGENT, CRYSTAL, ACS

(se continua en página 4)

· **Protección de ojos:**



Gafas de protección herméticas

SECCIÓN 9: Propiedades físicas y químicas

· **9.1 Información sobre propiedades físicas y químicas básicas**

· **Datos generales**

· **Aspecto:**

· Forma:	Sólido
· Color:	Amarillo
· Olor:	Inodoro
· Umbral olfativo:	No determinado.

· **valor pH:** No aplicable.

· **Cambio de estado**

· Punto de fusión/punto de congelación:	121 °C
· Punto inicial de ebullición e intervalo de ebullición:	Indeterminado.

· **Punto de inflamación:** 150 °C

· **Inflamabilidad (sólido, gas):** Fácilmente inflamable.

· **Temperatura de ignición:** 300 °C

· **Temperatura de descomposición:** No determinado.

· **Temperatura de auto-inflamación:** El producto no es autoinflamable.

· **Propiedades explosivas:** No determinado.

· **Límites de explosión:**

· Inferior:	No determinado.
· Superior:	No determinado.

· **Presión de vapor a 20 °C:** 23 hPa

· **Densidad a 20 °C:** 1,8 g/cm³

· **Densidad relativa** No determinado.

· **Densidad de vapor** No aplicable.

· **Tasa de evaporación:** No aplicable.

· **Solubilidad en / miscibilidad con agua:**

Soluble.

· **Coefficiente de reparto: n-octanol/agua:** No determinado.

· **Viscosidad:**

· **Dinámica:** No aplicable.

· **Cinemática:** No aplicable.

(se continua en página 6)

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 13.09.2022

Revisión: 13.09.2022

Nombre comercial: PICRIC ACID, REAGENT, CRYSTAL, ACS

(se continua en página 5)

· **Concentración del disolvente:**

Contenido de cuerpos sólidos: 100,0 %

· **9.2 Otros datos** No existen más datos relevantes disponibles.

SECCIÓN 10: Estabilidad y reactividad

- **10.1 Reactividad** No existen más datos relevantes disponibles.
- **10.2 Estabilidad química**
- **Descomposición térmica / condiciones que deben evitarse:**
No se descompone al emplearse adecuadamente.
- **10.3 Posibilidad de reacciones peligrosas** No se conocen reacciones peligrosas.
- **10.4 Condiciones que deben evitarse** No existen más datos relevantes disponibles.
- **10.5 Materiales incompatibles:** No existen más datos relevantes disponibles.
- **10.6 Productos de descomposición peligrosos:** No se conocen productos de descomposición peligrosos.

SECCIÓN 11: Información toxicológica

- **11.1 Información sobre los efectos toxicológicos**
- **Toxicidad aguda**
Tóxico en caso de ingestión, contacto con la piel o inhalación.
- **Efecto estimulante primario:**
- **Corrosión o irritación cutáneas**
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Lesiones o irritación ocular graves**
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Sensibilización respiratoria o cutánea**
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Indicaciones toxicológicas adicionales:**
- **Efectos CMR (carcinogenicidad, mutagenicidad y toxicidad para la reproducción)**
- **Mutagenicidad en células germinales**
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Carcinogenicidad** A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Toxicidad para la reproducción**
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Toxicidad específica en determinados órganos (STOT) – exposición única**
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Toxicidad específica en determinados órganos (STOT) – exposición repetida**
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Peligro de aspiración** A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

SECCIÓN 12: Información ecológica

- **12.1 Toxicidad**
- **Toxicidad acuática:** No existen más datos relevantes disponibles.
- **12.2 Persistencia y degradabilidad** No existen más datos relevantes disponibles.
- **12.3 Potencial de bioacumulación** No existen más datos relevantes disponibles.

(se continua en página 7)

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 13.09.2022

Revisión: 13.09.2022

Nombre comercial: PICRIC ACID, REAGENT, CRYSTAL, ACS


(se continua en página 6)

- **12.4 Movilidad en el suelo** No existen más datos relevantes disponibles.
- **Indicaciones medioambientales adicionales:**
- **Indicaciones generales:**
 Nivel de riesgo para el agua 2 (autoclasiificación): peligroso para el agua
 No dejar que se infiltre en aguas subterráneas, aguas superficiales o en alcantarillados.
 Una cantidad mínima vertida en el subsuelo ya representa un peligro para el agua potable.
- **12.5 Resultados de la valoración PBT y mPmB**
- **PBT:** No aplicable.
- **mPmB:** No aplicable.
- **12.6 Otros efectos adversos** No existen más datos relevantes disponibles.

SECCIÓN 13: Consideraciones relativas a la eliminación

- **13.1 Métodos para el tratamiento de residuos**
- **Recomendación:** No debe desecharse con la basura doméstica. No debe llegar al alcantarillado.
- **Embalajes sin limpiar:**
- **Recomendación:** Eliminar conforme a las disposiciones oficiales.
- **Producto de limpieza recomendado:** Agua, eventualmente añadiendo productos de limpieza.

SECCIÓN 14: Información relativa al transporte

- **14.1 Número ONU**
- **ADR, IMDG, IATA** UN1344
- **14.2 Designación oficial de transporte de las Naciones Unidas**
- **ADR** 1344 TRINITROFENOL (ÁCIDO PÍCRICO)
HUMIDIFICADO
- **IMDG, IATA** TRINITROPHENOL (PICRIC ACID), WETTED
- **14.3 Clase(s) de peligro para el transporte**
- **ADR, IMDG, IATA**
- 
- **Clase** 4.1 Materias sólidas inflamables, materias autorreactivas, materias que polimerizan y materias sólidas explosivas desensibilizadas
- **Etiqueta** 4.1
- **14.4 Grupo de embalaje**
- **ADR, IMDG, IATA** I
- **14.5 Peligros para el medio ambiente:** No aplicable.
- **14.6 Precauciones particulares para los usuarios** Atención: Materias sólidas inflamables, materias autorreactivas, materias que polimerizan y materias sólidas explosivas desensibilizadas

(se continua en página 8)

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 13.09.2022

Revisión: 13.09.2022

Nombre comercial: PICRIC ACID, REAGENT, CRYSTAL, ACS

(se continua en página 7)

· Número de identificación de peligro (Número Kemler):	60
· Número EMS:	F-B,S-J
· Stowage Category	E
· Segregation Code	SG7 Stow "away from" class 3 SG30 Stow "away from" SGG7-heavy metals and their salts
· 14.7 Transporte a granel con arreglo al anexo II del Convenio MARPOL y el Código IBC	No aplicable.
· Transporte/datos adicionales:	
· ADR	
· Cantidades limitadas (LQ)	0
· Cantidades exceptuadas (EQ)	Código: E0 No se permite como cantidad exceptuada
· Categoría de transporte	1
· Código de restricción del túnel	B
· IMDG	
· Limited quantities (LQ)	500 g
· Excepted quantities (EQ)	Code: E4 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 500 g
· "Reglamentación Modelo" de la UNECE:	UN 1344 TRINITROFENOL (ÁCIDO PÍCRICO) HUMIDIFICADO, 4.1, I

SECCIÓN 15: Información reglamentaria

- **15.1 Reglamentación y legislación en materia de seguridad, salud y medio ambiente específicas para la sustancia o la mezcla**
- **Directiva 2012/18/UE**
- **Sustancias peligrosas nominadas - ANEXO I** ninguno de los componentes está incluido en una lista
- **Categoría Seveso H2 TOXICIDAD AGUDA**
- **Cantidad umbral (toneladas) a efectos de aplicación de los requisitos de nivel inferior 50 t**
- **Cantidad umbral (toneladas) a efectos de aplicación de los requisitos de nivel superior 200 t**
- **Directiva 2011/65/UE sobre restricciones a la utilización de determinadas sustancias peligrosas en aparatos eléctricos y electrónicos - Anexo II**
ninguno de los componentes está incluido en una lista
- **REGLAMENTO (UE) 2019/1148**
- **Anexo I - PRECURSORES DE EXPLOSIVOS RESTRINGIDOS (Valor límite superior a efectos de la concesión de licencias con arreglo al artículo 5, apartado 3)**
ninguno de los componentes está incluido en una lista
- **Anexo II - PRECURSORES DE EXPLOSIVOS NOTIFICABLES**
ninguno de los componentes está incluido en una lista

(se continua en página 9)

Ficha de datos de seguridad
según 1907/2006/CE, Artículo 31

fecha de impresión 13.09.2022

Revisión: 13.09.2022

Nombre comercial: PICRIC ACID, REAGENT, CRYSTAL, ACS

(se continua en página 8)

· **Reglamento (CE) no 273/2004 sobre precursores de drogas**

ninguno de los componentes está incluido en una lista

· **Reglamento (CE) N o 111/2005 por el que establecen normas para la vigilancia del comercio de precursores de drogas entre la Comunidad y terceros países**

ninguno de los componentes está incluido en una lista

· **15.2 Evaluación de la seguridad química:**

Una evaluación de la seguridad química no se ha llevado a cabo.

SECCIÓN 16: Otra información

Los datos se fundan en el estado actual de nuestros conocimientos, pero no constituyen garantía alguna de cualidades del producto y no generan ninguna relación jurídica contractual.

· **Frases relevantes**

H201 Explosivo; peligro de explosión en masa.

H301 Tóxico en caso de ingestión.

H311 Tóxico en contacto con la piel.

H331 Tóxico en caso de inhalación.

· **Abreviaturas y acrónimos:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Expl. 1.1: Explosivos – División 1.1

Flam. Sol. 2: Sólidos inflamables – Categoría 2

Acute Tox. 3: Toxicidad aguda – Categoría 3

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kısıtlanması Hakkında Yönetmelik, Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 13.09.2022

Form No.: 19550

Yeniden düzenleme tarihi: 13.09.2022

Bölüm 1: Maddenin/karışımın ve şirketin/dağıtıcının tanımı

- **1.1 Madde/Karışım kimliği**
- **Ticari adı: PICRIC ACID, REAGENT, CRYSTAL, ACS**
- **Mal numarası: 19550**
- **UFI: JJ40-00C3-800T-W4GT**
- **1.2 Maddenin veya karışımın ilgili tanımlanmış kullanımları ve tavsiye edilmeyen kullanımları**
Daha başka önemli bilgi mevcut değildir.
- **Maddenin Kullanımı / Hazırlanması** Laboratuarda kullanılan kimyasal maddeler
- **1.3 Güvenlik bilgi formu sağlayıcısının detayları**
- **Üretici / Teslimatı yapan:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Güvenlik hakkında bilgiler veren kesim: Product safety department**
- **1.4 Acil telefon numarası**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

Bölüm 2: Zararların tanımı

- **2.1 Madde veya karışımın sınıflandırılması**
- **Düzenlemeye göre sınıflandırma (EC) No 1272/2008**



GHS02 Alev

Flam. Sol. 2 H228 Alevlenir katı.



GHS06 Kuru kafa ve çapraz kemikler

Acute Tox. 3 H301 Yutulması halinde toksiktir.

Acute Tox. 3 H311 Cilt ile teması halinde toksiktir.

Acute Tox. 3 H331 Solunması halinde toksiktir.

- **2.2 Etiket bilgileri**
- **Yönetmelik (EC) No 1272/2008'e göre etiketleme**
Ürün SEA yönetmeliğine göre sınıflandırılmış ve etiketlenmiştir.
- **Zararlılık İşaretleri**



GHS02



GHS06

(Devamı sayfa 2 'da)

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı, Değerlendirilmesi, İznı Ve Kisıtlanması Hakkında Yönetmelik, Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 13.09.2022

Form No.: 19550

Yeniden düzenleme tarihi: 13.09.2022

Ticari adı: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Sayfa 1 'nin devamı)

- **Uyarı Kelimesi Tehlike**
- **Etiketlendirme için tehlikeyi belirleyici bileşenler:**
2,4,6-trinitrofenol
- **Zararlılık İfadesi**
H228 Alevlenir katı.
H301+H311+H331 Yutulduğunda, ciltle temas ettiğinde veya solunduğunda toksiktir.
- **Önlem İfadesi**
P301+P310 YUTULDUĞUNDA: ULUSAL ZEHİR DANIŞMA MERKEZİNİN 114 NOLU TELEFONUNU/
doktoru arayın.
P321 Özel müdahale gerekli (etikete bakın).
P330 Ağzınızı çalkalayın.
P361+P364 Kirlenmiş giysilerinizi hemen çıkarın ve yeniden kullanmadan önce yıkayın.
P405 Kilit altında saklayın.
P501 İçeriği/kabı yerel/bölgesel/ulusal/uluslararası mevzuata uygun şekilde bertaraf edin.
- **2.3 Diğer zararlar**
- **PBT ve vPvB değerlendirme sonuçları**
- **PBT:** Uygulanamaz.
- **vPvB:** Uygulanamaz.

Bölüm 3: Bileşimi/İçindekiler hakkında bilgi

- **3.2 Karışımlar**
- **Tarifi:** Tehlikesiz katkılar ihtiva eden ve aşağıda belirtilen maddelerden oluşan karışım.

· **İhtiva ettiği tehlikeli maddeler:**

CAS: 88-89-1	2,4,6-trinitrofenol	%>50-≤100
EINECS: 201-865-9	Expl. 1.1, H201; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	

- **Ek uyarılar:** belirtilmiş olan tehlike işaretlerinin metnini Bölüm 16'dan alınız

Bölüm 4: İlk yardım önlemleri

- **4.1 İlk yardım önlemlerinin tanıtımı**
- **Genel uyarılar:**
Ürünün bulaşmış olduğu giyim eşyalarını derhal uzaklaştırınız.
Nefes koruyucuyu kirlenmiş giyim eşyaları uzaklaştırıldıktan sonra çıkarınız.
Düzensiz solunum ya da solunumun durması halinde suni solunum.
- **Teneffüs ettikten sonra:**
Temiz hava ya da oksijen verilmeli; doktordan yardım istenmelidir.
Baygınlık halinde yatırılması ve taşınması sabit yan pozisyonda olmalıdır.
- **Cilde temas ettikten sonra:** Derhal su ve sabunla yıkayarak iyice durulayınız.
- **Gözlere temas ettikten sonra:**
Gözleri, gözkapakları açık bir şekilde birkaç dakika süreyle akan suyun altına tutunuz ve doktora başvurunuz.
- **Yuttuktan sonra:** Kusmasını sağlamayınız, derhal doktor çağırınız.
- **4.2 Akut ve sonradan görülen en önemli belirtiler ve etkiler** Daha başka önemli bilgi mevcut değildir.

(Devamı sayfa 3 'da)

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kısıtlanması Hakkında Yönetmelik, Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 13.09.2022

Form No.: 19550

Yeniden düzenleme tarihi: 13.09.2022

Ticari adı: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Sayfa 2 'nin devamı)

· **4.3 Acil tıbbi müdahale ve özel tedavi gereği için işaretler** Daha başka önemli bilgi mevcut değildir.

Bölüm 5: Yangınla mücadele önlemleri

- **5.1 Yangın söndürücüler**
- **Elverişli söndürücü maddeler:** Yangın söndürme önlemlerini çevreye uydurunuz.
- **5.2 Madde veya karışımdan kaynaklanan özel zararlar** Daha başka önemli bilgi mevcut değildir.
- **5.3 Yangın söndürme ekipleri için tavsiyeler**
- **Özel koruyucu teçhizat:** Nefes koruyucu alet takınız.

Bölüm 6: Kaza sonucu yayılma önlemleri

- **6.1 Kişisel önlemler, koruyucu ekipman ve acil müdahale planı**
Koruyucu teçhizat takınız. Korunmamış şahısları yaklaştırmayınız.
- **6.2 Çevresel önlemler** Kanalizasyona/Yüzeysel suya/Yeraltı suyuna karışmasını önleyiniz.
- **6.3 Kontrol altında tutma ve temizleme için yöntem ve malzemeler**
Zararlı madde karışmış malzemeyi çöp olarak madde 13 'e göre tasfiye ediniz.
Yeterli havalandırma sağlayınız.
- **6.4 Diğer bölümlere atıflar**
Güvenli kullanım ile ilgili bilgileri 7. bölümden alınız.
Kişisel koruyucu teçhizat ile ilgili bilgileri 8. bölümden alınız.
Tasfiye ile ilgili bilgileri 13. bölümden alınız.

Bölüm 7: Elleçleme ve depolama

- **7.1 Güvenli elleçleme için önlemler**
Tozdan arınma iyi yapılmalıdır.
Çalışılan yerin iyi havalandırılması / havanın iyi emilmesini sağlayınız.
Kıyafetleri açarken, taşıırken ya da yere bırakırken dikkatli davranınız.
- **Yangın ve patlamadan korunmak için uyarılar:**
Tutuşturucu cisimlerden uzak tutunuz - sigara içmeyiniz.
Aşırı sıcaktan koruyunuz.
Elektrostatik dolmaya karşı önlemler alınız.
Nefes koruyucu aletleri hazır bulundurunuz.
- **7.2 Birlikte bulunmaması gereken maddeleri de içeren güvenli depolama koşulları**
- **Depolama:**
- **Depolarda ve kaplarda aranan özellikler:** Serin bir yerde muhafaza ediniz.
- **Birarada depolama ile ilgili uyarılar:** Gerekli değil.
- **Depolama şartları ile ilgili diğer bilgiler:**
Kabı sızdırmayacak şekilde kapalı tutunuz.
İyi kapatılmış kaplarda serin ve kuru bir şekilde muhafaza ediniz.
Sıcaktan ve güneş ışınlarından koruyunuz.
- **7.3 Belirli son kullanımlar** Daha başka önemli bilgi mevcut değildir.

TR

(Devamı sayfa 4 'da)

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kisitlanması Hakkında Yönetmelik, Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 13.09.2022

Form No.: 19550

Yeniden düzenleme tarihi: 13.09.2022

Ticari adı: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Sayfa 3 'nin devamı)

Bölüm 8: Maruz kalma kontrolü/kişisel korunma

- **8.1 Kontrol parametreleri**
- **Teknik tesisatların şekillendirilmesi ile ilgili ek bilgiler:** Başka bilgi yoktur, madde 7 'den bakınız.

- **Çalışma yeri ile ilgili, kontrol edilmesi gereken sınır değerleri olan bileşenler:**

88-89-1 2,4,6-trinitrofenol

MMSD (TR) Uzun zaman değeri: 0,1 mg/m³IOELV (EU) Uzun zaman değeri: 0,1 mg/m³

- **Ek uyarılar:** Düzenlendiği tarihte geçerli listeler esas alınmıştır.

8.2 Maruz kalma kontrolü

• Kişisel koruyucu teçhizat:

• Genel koruyucu ve sıhhi önlemler:

Gıda maddelerinden, içeceklerden ve yem maddelerinden uzak tutunuz.

Kirlenmiş, sıvı bulaşmış giyim eşyalarını derhal çıkartınız.

Molalardan önce ve mesai sonunda ellerinizi yıkayınız.

Koruyucu giyimi ayrı yerde muhafaza ediniz.

Gözlerinize ve cildinize değmesinden kaçınınız.

• Nefes koruyucu önlemler:

Kısa süreli ya da düşük ölçüde olumsuz tesir altında kaldığında nefes filtre aleti, yoğun bir şekilde ya da uzun süre etkisi altında kaldığında çevredeki havadan bağımsız olan nefes koruyucu cihaz kullanınız.

• Elleri koruyucu:



Koruyucu eldivenler

Eldiven malzemesi ürün / malzeme / hazırlanan madde ile ilgili olarak geçirmez ve dayanıklı olmalıdır.

Testlerin yapılmamış olması nedeni ile ürün / hazırlanmış madde / kimyasal karışım için lâzım olan eldiven imalatında kullanılması gereken malzeme ile ilgili herhangi bir tavsiye yapılamamaktadır.

Eldiven imalatı için kullanılan malzemelerin seçiminde delinme sürelerinin, geçirgenlik oranlarının ve bozulmanın göz önüne alınması gereklidir.

• Eldiven malzemesi

Uygun eldivenin seçiminde yalnız imalat malzemesi değil, aynı zamanda diğer kalite özellikleri de dikkate alınmalıdır ve bunlar imalatçıdan imalatçıya değişiklik göstermektedir. Her ürün birçok malzemenin birleşiminden meydana geldiği için eldivenlerin dayanıklılığı önceden hesaplanamamaktadır ve dolayısı ile her eldiven kullanılmadan önce kontrole tabi tutulmalıdır.

• Eldiven malzemesine nüfuz etme süresi

Kesin delinme (aşınma) süresi eldiven imalatçısından öğrenilmeli ve bu sürelerle riayet edilmelidir.

• Gözleri koruyucu:



Kenarları tam kapatan koruyucu gözlük

TR

(Devamı sayfa 5 'da)

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı, Değerlendirilmesi, İznı Ve Kisitlanması Hakkında Yönetmelik, Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 13.09.2022

Form No.: 19550

Yeniden düzenleme tarihi: 13.09.2022

Ticari adı: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Sayfa 4 'nın devamı)

Bölüm 9: Fiziksel ve kimyasal özellikler

· **9.1 Temel fiziksel ve kimyasal özellikler hakkında bilgi**

· Genel bilgiler

· Görünüm

· Biçim:	Katı
· Renk:	Sarı
· Koku:	Kokusuz
· Koku eşiği	Belirli değil.

· pH - değeri: Uygulanamaz.

· Durum değişikliği

· Erime noktası/donma noktası	121 °C
· İlk kaynama noktası ve kaynama aralığı	Belirlenmemiştir.

· Parlama noktası 150 °C

· Alevlenirlik (katı, gaz) Kolay alevlenir.

· Tutuşma ısı: 300 °C

· Bozunma sıcaklığı Belirli değil.

· Kendiliğinden tutuşma sıcaklığı Ürün kendiliğinden tutuşmaz niteliktedir.

· Patlayıcı özellikler Belirli değil.

· Patlama sınırları:

· Alt:	Belirli değil.
· Üst:	Belirli değil.

· Buhar basıncı 20 °C'de: 23 hPa

· Yoğunluk 20 °C'de: 1,8 g/cm³

· Bağıl yoğunluk Belirli değil.

· Buhar yoğunluğu Uygulanamaz.

· Buharlaştırma hızı Uygulanamaz.

· Çözülme kabiliyeti / karışma kabiliyeti

· suyla: Çözülür.

· Dağılım katsayısı: n-oktanol/su Belirli değil.

· Akışkanlık

· Dinamik: Uygulanamaz.

· Kinematik: Uygulanamaz.

· Çözücü madde oranı:

· Katı madde oranı: %100.0

· 9.2 Diğer bilgiler Daha başka önemli bilgi mevcut değildir.

TR

(Devamı sayfa 6 'da)

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kısıtlanması Hakkında Yönetmelik, Madde 27“ hükümlerine uygun düzenlenmiştir

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(Sayfa 5 'nin devamı)

Bölüm 10: Kararlılık ve tepkime

- **10.1 Tepkime** Daha başka önemli bilgi mevcut değildir.
- **10.2 Kimyasal kararlılık**
- **Termik ayrışma / kaçınılması gereken şartlar:** Usulüne uygun şekilde kullanıldığında ayrışma olmaz.
- **10.3 Zararlı reaksiyon olasılığı** Tehlikeli reaksiyonları duyulmamıştır.
- **10.4 Kaçınılması gereken durumlar** Daha başka önemli bilgi mevcut değildir.
- **10.5 Uyumsuz malzemeler** Daha başka önemli bilgi mevcut değildir.
- **10.6 Zararlı bozunma ürünleri** Ayrışmada oluşan tehlikeli ürünler duyulmamıştır.

Bölüm 11: Toksikolojik bilgiler

- **11.1 Toksikolojik etkiler hakkında bilgi**
- **Akut toksisite**
Yutulduğunda, ciltle temas ettiğinde veya solunduğunda toksiktir.
- **Asli tahriş edici etkisi:**
- **Cilt aşınması/tahrişi** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **Ciddi göz hasarları/tahrişi** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **Solunum yolları veya cilt hassaslaşması**
Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **Aşağıdaki grupların potansiyel etkilerine dair bilgiler:**
- **CMR-etkileri (kanserojenite, irsiyet değiştirici ve üremeyi tehdit edici etki)**
- **Eşey hücre mutajenitesi** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **Kanserojenite** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **Üreme sistemi toksisitesi** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **BHOT - tek maruz kalma** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **BHOT - tekrarlı maruz kalma** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **Aspirasyon zararı** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.

Bölüm 12: Ekolojik bilgiler

- **12.1 Toksikite**
- **Su toksisitesi:** Daha başka önemli bilgi mevcut değildir.
- **12.2 Kalıcılık ve bozunabilirlik** Daha başka önemli bilgi mevcut değildir.
- **12.3 Biyobirikim potansiyeli** Daha başka önemli bilgi mevcut değildir.
- **12.4 Toprakta hareketlilik** Daha başka önemli bilgi mevcut değildir.
- **Diğer ekolojik uyarılar:**
- **Genel uyarılar:**
Suyu tehdit sınıfı 2 (): suyu tehdit edicidir
Yeraltı suyuna, duran ve akan sulara ve kanalizasyona ulaşmasını önleyiniz.
Cüzi miktarların bile yeraltına akması halinde içme suyunu tehdit eder.
- **12.5 PBT ve vPvB değerlendirmesinin sonuçları**
- **PBT:** Uygulanamaz.
- **vPvB:** Uygulanamaz.

(Devamı sayfa 7 'da)

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kısıtlanması Hakkında Yönetmelik, Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 13.09.2022

Form No.: 19550

Yeniden düzenleme tarihi: 13.09.2022

Ticari adı: PICRIC ACID, REAGENT, CRYSTAL, ACS


(Sayfa 6 'nın devamı)

· **12.6 Diğer olumsuz etkiler** Daha başka önemli bilgi mevcut değildir.

Bölüm 13: Bertaraf etme bilgileri

- **13.1 Atık işleme yöntemleri**
- **Tavsiye:** Ev çöpüyle beraber tasfiye edilmesi yasaktır. Kanalizasyona ulaşmasını önleyiniz.
- **Temizlenmemiş ambalajlar:**
- **Tavsiye:** Tasfiyesi resmi makamların yönetmeliklerine göre yapılır.
- **Tavsiye olunan temizlik maddesi:** Su, gerekirse temizlik maddeleri katmak suretiyle.

Bölüm 14: Taşımacılık bilgisi

· 14.1 UN Numarası · ADR, IMDG, IATA	UN1344
· 14.2 UN uygun taşımacılık ismi · ADR · IMDG, IATA	1344 TRİNİTROFENOL (PİKRIK ASİT) ISLATILMIŞ TRINITROPHENOL (PICRIC ACID), WETTED
· 14.3 Taşımacılık zararları · ADR, IMDG, IATA	
	
· sınıfı	4.1 Alevlenebilir katılar, kendiliğinden tepkimeye giren maddeler, polimerleştirici maddeler ve duyarlılığı azaltılmış katı patlayıcılar
· Tehlike pusulası	4.1
· 14.4 Ambalaj grubu · ADR, IMDG, IATA	I
· 14.5 Çevresel zararlar	Uygulanamaz.
· 14.6 Kullanıcılar için özel önlemler	Uyarı: Alevlenebilir katılar, kendiliğinden tepkimeye giren maddeler, polimerleştirici maddeler ve duyarlılığı azaltılmış katı patlayıcılar
· Tehlike Tanım No. (Kemler (tehlike) sayısı):	60
· EMS - numarası:	F-B,S-J
· Stowage Category	E
· Segregation Code	SG7 Stow "away from" class 3 SG30 Stow "away from" SGG7-heavy metals and their salts
· 14.7 MARPOL 73/78 EK II ve IBC Koduna göre Toplu Taşımacılık	Uygulanamaz.

(Devamı sayfa 8 'da)

Güvenlik bilgi formu

23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kısıtlanması Hakkında Yönetmelik, Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 13.09.2022

Form No.: 19550

Yeniden düzenleme tarihi: 13.09.2022

Ticari adı: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Sayfa 7 'nin devamı)

· Nakliyat/diğer bilgiler:**· ADR****· Sınırlı Miktarlar**

0

· İstisnai miktarlar (EQ)

Kod: E0

İstisnai Miktar olarak İzin Verilmeyenler

· Taşıma kategorisi

1

· Tünel kısıtlama kodu

B

· IMDG**· Limited quantities (LQ)**

500 g

· Excepted quantities (EQ)

Code: E4

Maximum net quantity per inner packaging: 1 g

Maximum net quantity per outer packaging: 500 g

· UN "Model Düzenleme":UN 1344 TRİNİTROFENOL (PİKİRİK ASİT)
İSLATILMIŞ, 4.1, I**Bölüm 15: Mevzuat bilgisi****· 15.1 Madde veya karışım için güvenlik, sağlık ve çevresel düzenlemeler/mevzuat****· 2012/18/EU sayılı Direktifi****· Adlandırılmış tehlikeli maddeler - EK-1 İçerdiği maddelerin hiçbiri listelenmemiştir.****· Kategori „Seveso“ H2****· Tehlikeli maddelerin niteleyici miktarı (ton) - alt seviye 50 t****· Tehlikeli maddelerin niteleyici miktarı (ton) - üst seviye 200 t****· Elektrikli ve Elektronik Eşyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlanmasına Dair Yönetmelik (2011/65/EU) - Ek-2**

İçerdiği maddelerin hiçbiri listelenmemiştir.

· Yönetmelik (EC) No 273/2004

İçerdiği maddelerin hiçbiri listelenmemiştir.

· Yönetmelik (EC) No 111/2005

İçerdiği maddelerin hiçbiri listelenmemiştir.

· 15.2 Kimyasal güvenlik değerlendirmesi: Bir Kimyasal güvenlik değerlendirmesi yapılmamıştır.**Bölüm 16: Diğer bilgiler**

Veriler bugünkü bilgi durumumuza istinat etmektedir, ancak ürün özellikleri ile ilgili teminat teşkil etmezler ve akdî bir hukuki ilişki tesis etmezler.

· Önemli terkipleri

H201 Patlayıcı; kütleli patlama zararı.

H301 Yutulması halinde toksiktir.

H311 Cilt ile teması halinde toksiktir.

H331 Solunması halinde toksiktir.

(Devamı sayfa 9 'da)

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı,
Değerlendirilmesi, İzni Ve Kisitlanması Hakkında Yönetmelik,
Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 13.09.2022

Form No.: 19550

Yeniden düzenleme tarihi: 13.09.2022

Ticari adı: PICRIC ACID, REAGENT, CRYSTAL, ACS

(Sayfa 8 'nin devamı)

· Kısaltmalar ve:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Expl. 1.1: Patlayıcılar – Kısım 1.1

Flam. Sol. 2: Alevlenir katılar – Kategori 2

Acute Tox. 3: Akut toksisite – Kategori 3

TR