

Trade name: Acid picrinicum (ca 40% Wasser)

Substance number: 060348

Version: 3 / CH

Date revised: 05.02.2019

Replaces Version: 2 / CH

Print date: 01.10.19

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

1.1. Product identifier

Acid picrinicum (ca 40% Wasser)

Item No. 06034800

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Reagent for analyses

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Flam. Sol. 1 H228

Acute Tox. 4 H302

Acute Tox. 3 H311

Acute Tox. 3 H331

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Signal word

Danger

Hazard statements ***

H228

Flammable solid.

H302

Harmful if swallowed.

H311+H331

Toxic in contact with skin or if inhaled.

Precautionary statements ***

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P311 Call a POISON CENTER or doctor.

P501.3 Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains *** 2,4,6-Trinitrophenol

2.3. Other hazards

Explosive when dry.

SECTION 3: Composition/information on ingredients *****Molecular weight**

Value 229.10 g/mol

Hazardous ingredients *****2,4,6-Trinitrophenol**

CAS No. 88-89-1

EINECS no. 201-865-9

Concentration >= 50 < 66 %

Classification (Regulation (EC) No. 1272/2008)

Expl. 1.1 H201

Acute Tox. 3 H301

Acute Tox. 3 H311

Acute Tox. 3 H331

Further ingredients**water**

CAS No. 7732-18-5

EINECS no. 231-791-2

Concentration >= 25 < 50 %

Advice: [4]

Note

[4] Voluntary information

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Summon a doctor immediately. In any case show the physician the Safety Data Sheet.

After inhalation

Remove the casualty into fresh air and keep him calm. Irregular breathing/no breathing: artificial respiration. Seek medical advice immediately.

After skin contact

Wash off immediately with soap and water and rinse well. Summon a doctor immediately.

After eye contact

In case of contact with eyes rinse thoroughly with water.

After ingestion

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Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Seek medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed

Unconsciousness, Weakness, Muscle cramps or pains, Headache, Dizziness, Nausea, Vomiting, Diarrhoea

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water mist, Alcohol-resistant foam, Dry chemical extinguisher, Carbon dioxide

5.2. Special hazards arising from the substance or mixture

Carbon monoxide (CO); Carbon dioxide (CO₂); Nitrogen oxides (NO_x)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Respiratory protection. Avoid dust formation. Do not inhale vapours. Ensure adequate ventilation. Keep away sources of ignition. Remove persons to safety. Do not inhale dust.

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

When picked up, treat material as prescribed under Section 13 "Disposal". Take up mechanically and collect in suitable container for disposal.

6.4. Reference to other sections

Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes. Avoid dust formation. Avoid formation of aerosols. Provide suitable exhaust ventilation at processing machines. Take action to prevent static discharges.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool place.

Storage classes

Storage class according to TRGS 510	4.1B	Flammable hazardous solids
Storage category (Switzerland)	4.1	Flammable solids

Further information on storage conditions

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Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from atmospheric moisture and water.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

2,4,6-Trinitrophenol

List	SUVA	
Type	MAK	
Value	0,1	mg/m ³
Short term exposure limit	0,1	mg/m ³
Skin resorption / sensibilisation: H; Status: 2017; Remarks: H S; Haut, Auge; NIOSH		

8.2. Exposure controls

General protective and hygiene measures

Wash hands and face before breaks and after work. Remove contaminated, soaked clothing immediately and dispose of safely. Avoid contact with skin and eyes.

Respiratory protection

Self-contained breathing apparatus. Full mask

Hand protection

Gloves
Appropriate Material The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Eye protection

Face shield; Safety glasses

Body protection

Clothing as usual in the chemical industry. protective overalls, antistatic

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	solid		
Colour	yellow		
pH value	Remarks No data available		
Melting point	Value	121	°C
Initial boiling point and boiling range	Remarks No data available		
Flash point	Value	150	°C
	Method	closed cup	
Vapour pressure	Value	1	hPa
	Temperature	195	°C
Density	Value	1.800	g/cm ³
	Temperature	20	°C

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Solubility in water

Remarks soluble

Partition coefficient: n-octanol/water

log Pow 1.33

Auto-ignition temperature

Value 300 °C

Viscosity

Remarks No data available

Explosive properties

evaluation no data

Oxidising properties

evaluation None known

9.2. Other information**Other information**

None known

SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed. Risk of fire if the water component dries out.

10.3. Possibility of hazardous reactions

Risk of fire if the water component dries out.

10.4. Conditions to avoid

Protect from heat and direct sunlight. Flames. Sparks. Protect from extreme heat and cold. Risk of fire if the water component dries out.

10.5. Incompatible materials

Bases, Reactions with reducing agents, heavy metals. Salts of heavy metals, Ammonia

10.6. Hazardous decomposition productsIn the event of fire the following can be released: Carbon monoxide and carbon dioxide, nitrous oxides (NO_x)**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

ATE	307.697	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**2,4,6-Trinitrophenol**

Species	rat	
LD50	200	mg/kg

Acute dermal toxicity

ATE	461.545	mg/kg
	6	

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Method calculated value (Regulation (EC) No. 1272/2008)

Acute inhalational toxicity

ATE 0.7692 mg/l

Administration/Form Dust/Mist

Method calculated value (Regulation (EC) No. 1272/2008)

Skin corrosion/irritation

Reference substance 2,4,6-Trinitrophenol

Remarks No data available.

Serious eye damage/irritation

Reference substance 2,4,6-Trinitrophenol

Species rabbit

evaluation non-irritant

Sensitization

Reference substance 2,4,6-Trinitrophenol

Remarks May cause sensitization by skin contact.

Mutagenicity

Reference substance 2,4,6-Trinitrophenol

Remarks No data available.

Reproductive toxicity

Remarks No data available.

Carcinogenicity

evaluation No indications of carcinogenic effects are available from long-term trials.

Experience in practice

Inhalations of vapours in higher concentration may lead to irritation of eyes, nose and respiratory tract. May be harmful by inhalation, ingestion, skin adsorption. Liver and Kidney damage is possible. After Swallowing: vomiting, diarrhea. May lead to nausea, headache, drowsiness and dizziness. inhalation. May lead to drowsiness and unconsciousness. Kidney damage is possible.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

Remarks No data available.

12.2. Persistence and degradability**Biodegradability**

Remarks No data available.

12.3. Bioaccumulative potential**General information**

There is no data available on the product apart from the information given in this subsection.

Partition coefficient: n-octanol/water

log Pow 1.33

12.4. Mobility in soil**General information**

There is no data available on the product apart from the information given in this subsection.

12.5. Results of PBT and vPvB assessment**General information**

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not determined

12.6. Other adverse effects**General information / ecology**

Ecological data are not available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**




In accordance with regulations for special waste, must be taken to an authorised special waste disposal site or incineration plant.

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information ***

	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	B		
14.1. UN number	1344	1344	1344
14.2. UN proper shipping name	TRINITROPHENOL, WETTED	TRINITROPHENOL, WETTED	TRINITROPHENOL, WETTED
14.3. Transport hazard class(es)	4.1	4.1	4.1
Label			
14.4. Packing group	I	I	I
Limited Quantity	0		
Transport category	1		

SECTION 15: Regulatory information *****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany) *****

Water Hazard Class (Germany) WGK 3

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information

Hazard statements listed in Chapter 3

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H201	Explosive; mass explosion hazard.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.

CLP categories listed in Chapter 3

Acute Tox. 3	Acute toxicity, Category 3
Expl. 1.1	Explosive, Division 1.1

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.