

Trade name: Acid picrinicum (ca 40% Wasser)

Substance number: 060348

Version: 5 / CH

Date revised: 14.01.2025

Replaces Version: 4 / CH

Print date: 14.01.25

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

1.1. Product identifier

Acid picrinicum (ca 40% Wasser)

Item No. 06034800

Substance / product identification

UFI YDQ8-U1KA-X00T-SXYK

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

Use of the substance/preparation

Chemical for synthesis

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)

Desen. Expl. 1 H206

Acute Tox. 3 H301

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

H206

Fire, blast or projection hazard; increased risk of explosion if desensitising agent is reduced.

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H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P264 Wash ... thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 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

Supplemental information**Other information**

Not for supply to the general public in Switzerland

2.3. Other hazards

Explosive when dry.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

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

Value	229.10	g/mol
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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		

ATE	oral	200	mg/kg
cATpE	dermal	300	mg/kg
cATpE	inhalative, Dust/Mist	0.5	mg/l

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**

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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

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 spray jet, Alcohol-resistant foam, Dry chemical extinguisher, Carbon dioxide

Non suitable extinguishing media

Full water jet

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. Wear protective clothing.

Other information

Cool endangered containers with water spray jet. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

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

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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. Smoking, eating and drinking should be prohibited in application area. Do not inhale dust.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	5	25	°C
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Requirements for storage rooms and vessels

Do not use metal containers.

Hints on storage assembly

Do not store together with: bases, Reducing agents, Metals

Storage classes

Storage class according to TRGS 510	1	Explosive hazardous substances
Storage category (Switzerland)	1	Explosive substances

Further information on storage conditions

Keep contents under water. Keep only in the original container, tightly closed, in a well ventilated place.

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; 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

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.

Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Breakthrough time	480 min
Hand protection must comply with EN 374.	

Eye protection

Face shield; Safety glasses

Body protection

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Fire-resistant protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	solid		
Colour	yellow		
Melting point			
Value	122		°C
Boiling point or initial boiling point and boiling range			
Remarks	No data available		
Flash point			
Value	150		°C
Method	closed cup		
pH value			
Remarks	No data available		
Viscosity			
Remarks	No data available		
Partition coefficient n-octanol/water (log value)			
log Pow	1.33		
Vapour pressure			
Value	1		hPa
Temperature	195	°C	
Density and/or relative density			
Value	1.80		g/cm ³
Temperature	20	°C	

9.2. Other information

Solubility in water			
Remarks	soluble		
Auto-ignition temperature			
Value	300		°C
Explosive properties			
evaluation	no data		
Oxidising properties			
evaluation	None known		
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. shock. friction. Keep away from sources of heat and ignition.

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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 products

In 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 hazard classes as defined in Regulation (EC) No 1272/2008****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	
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute dermal toxicity (Components)**2,4,6-trinitrophenol**

Remarks	Not documented.
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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

Serious eye damage/irritation (Components)**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

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Remarks No data available.

Carcinogenicity

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

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

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 value)

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**

not determined

Results of PBT and vPvB assessment

The product contains no PBT substances

The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

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

Ecological data are not available.

SECTION 13: Disposal considerations

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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 (PICRIC ACID), WETTED	TRINITROPHENOL (PICRIC ACID), WETTED	TRINITROPHENOL (PICRIC ACID), 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 2

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

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H201 Explosive; mass explosion hazard.
H206 Fire, blast or projection hazard; increased risk of explosion if desensitising agent is reduced.
H301 Toxic if swallowed.

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H311

Toxic in contact with skin.

H331

Toxic if inhaled.

CLP categories listed in Chapter 3

Acute Tox. 3

Acute toxicity, Category 3

Desen. Expl. 1

Desensitised explosives, Category 1

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.