

Trade name: Ethanolum ketonatum 70%

Substance number: 026000

Version: 7 / CH

Date revised: 22.03.2021

Replaces Version: 6 / CH

Print date: 22.03.21

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

1.1. Product identifier

Ethanolum ketonatum 70%

Item No. 02600000

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. Liq. 2

H225

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

H225

Highly flammable liquid and vapour.

Precautionary statements

P210

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

P243

Take action to prevent static discharges.

P280

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

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P403+P233

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

P501.3

Disposal in compliance with local and national regulations.

Trade name: Ethanolum ketonatum 70%

Substance number: 026000

Version: 7 / CH

Date revised: 22.03.2021

Replaces Version: 6 / CH

Print date: 22.03.21

SECTION 3: Composition/information on ingredients ***

3.2. Mixtures

Chemical characterization

Alcoholic solution

Hazardous ingredients ***

butanone

CAS No. 78-93-3

EINECS no. 201-159-0

Concentration \geq 1 < 1.4 %

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

Flam. Liq. 2 H225

Eye Irrit. 2 H319

STOT SE 3 H336

Further ingredients ***

ethanol

CAS No. 64-17-5

EINECS no. 200-578-6

Concentration \geq 50 %

Advice: [4]

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

Flam. Liq. 2 H225

water

CAS No. 7732-18-5

EINECS no. 231-791-2

Concentration \geq 25 < 50 %

Advice: [4]

Note

[4] Voluntary information

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

If you feel unwell, seek medical advice (show the label where possible). Take off contaminated clothing and shoes immediately.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment. Irregular breathing/no breathing: artificial respiration.

After skin contact

Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Consult a physician if necessary. Rinse out mouth and give plenty of water to drink.

Trade name: Ethanolum ketonatum 70%

Substance number: 026000

Version: 7 / CH

Date revised: 22.03.2021

Replaces Version: 6 / CH

Print date: 22.03.21

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide, Alcohol-resistant foam, Dry powder, Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of a fire, toxic and combustible gases can be formed. In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Wear full protective suit. 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

Ensure adequate ventilation. Remove persons to safety. Keep away sources of ignition.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal. Clean up affected area.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep away from heat and sources of ignition. Take action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place. Storage rooms must be properly ventilated.

Storage classes

Storage class according to TRGS 510	3	Flammable liquid
Storage category (Switzerland)	3	Flammable liquid

SECTION 8: Exposure controls/personal protection ***

8.1. Control parameters

Exposure limit values ***

ethanol

List	SUVA			
Type	MAK			
Value	960	mg/m ³	500	ppm(V)

Trade name: Ethanolum ketonatum 70%

Substance number: 026000

Version: 7 / CH

Date revised: 22.03.2021

Replaces Version: 6 / CH

Print date: 22.03.21

Short term exposure limit 1920 mg/m³ 1000 ppm(V)

Pregnancy group: S; Remarks: SSc; OAW, FormalKT HU; INRS, NIOSH

butanone

List SUVA

Type MAK

Value 590 mg/m³ 200 ppm(V)Short term exposure limit 590 mg/m³ 200 ppm(V)

Skin resorption / sensibilisation: H; Pregnancy group: S; Remarks: H B SSc; NS, OAWKT HU; INRS, NIOSH, OSHA

8.2. Exposure controls**General protective and hygiene measures**

Avoid any contact with the body. Observe the usual precautions for handling chemicals. Keep away from food-stuffs, beverages and feed-stocks. Hold eye wash fountain available. Hold emergency shower available. Wash thoroughly after work. Take off immediately all contaminated clothing.

Respiratory protection

necessary; Do not breathe vapours, dust or aerosol. Provide adequate ventilation.

Hand protection

Appropriate Material Gloves / resistant to chemicals

Eye protection

Tightly fitting safety glasses

Body protection

Fire-resistant protective clothing

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

Form liquid, clear

Colour colourless

Odour ketone-like

Initial boiling point and boiling range

Value > 78 °C

Source GESTIS-Stoffdatenbank

Flash point

Value 21 to 22 °C

Source GESTIS-Stoffdatenbank

Vapour pressure

Value < 5.8 kPa

Source GESTIS-Stoffdatenbank

Density

Value 0.886 to 0.889

Remarks Relative Density according specification

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.

10.3. Possibility of hazardous reactions

Trade name: Ethanolum ketonatum 70%

Substance number: 026000

Version: 7 / CH

Date revised: 22.03.2021

Replaces Version: 6 / CH

Print date: 22.03.21

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Alkaline metals, Ammonia, peroxides, Oxidising agents

10.6. Hazardous decomposition products

In the event of fire the following can be released: Carbon monoxide, Carbon dioxide, Hazardous decomposition products: Flammable gases/vapours

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

ATE	320.149	mg/kg
	3	
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**ethanol**

Species	rat	
LD50	7060	mg/kg
Source	Toxicology and Applied Pharmacology. Vol. 16, Pg. 718, 1970.	

ethanol

Species	rat	
LD50	10470	mg/kg

butanone

Species	rat	
LD50	4.29	mg/kg

butanone

Species	rat	
LD50	3450	mg/kg

Acute dermal toxicity (Components)**ethanol**

Species	rabbit	
LD50	15800	mg/kg

butanone

Species	rabbit	
LD50	> 8000	mg/kg

Acute inhalative toxicity (Components)**ethanol**

Species	rat	
LC50	30000	mg/m ³
Duration of exposure	4	h
Administration/Form	Vapors	

Skin corrosion/irritation (Components)**ethanol**

evaluation	non-irritant
------------	--------------

Serious eye damage/irritation

Remarks	Eye contact with the product may lead to irritation.
---------	--

Serious eye damage/irritation (Components)

Trade name: Ethanolum ketonatum 70%

Substance number: 026000

Version: 7 / CH

Date revised: 22.03.2021

Replaces Version: 6 / CH

Print date: 22.03.21

ethanol
evaluation irritant

butanone
Species rabbit
evaluation irritant

Sensitization (Components)

butanone
Species guinea pig
evaluation non-sensitizing

Mutagenicity (Components)

ethanol
evaluation No mutagenicity in the Ames-test.

Experience in practice

The solvent vapours cause an irritating effect to the respiratory organs. Causes disorders of the central nervous system and can cause headache, respiratory difficulties or unconsciousness. Causes a numb feeling. Liver damage is possible.

Other information

When handled appropriately, even after long years of experience with this product, no adverse health effects are known.
Product specific toxicological data are not known.

SECTION 12: Ecological information**12.2. Persistence and degradability****Biodegradability (Components)**

ethanol
evaluation Readily biodegradable

Chemical oxygen demand (COD) (Components)

ethanol
Value 0.93 to 1.67 mg/g

12.3. Bioaccumulative potential**General information**

For this subsection there is no ecotoxicological data available on the product as such.

Bioconcentration factor (BCF) (Components)

ethanol
BCF 0.66

12.4. Mobility in soil**General information**

For this subsection there is no ecotoxicological data available on the product as such.

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

For this subsection there is no ecotoxicological data available on the product as such.

Evaluation of persistence and bioaccumulation potential

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not to be expected.

Evaluation of persistence and bioaccumulation potential (Components)

ethanol

Trade name: Ethanolum ketonatum 70%

Substance number: 026000

Version: 7 / CH

Date revised: 22.03.2021

Replaces Version: 6 / CH

Print date: 22.03.21

The Substance doesn't meets PBT/vPvB-criteria

12.6. Other adverse effects

General information

For this subsection there is no ecotoxicological data available on the product as such.

General information / ecology

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods




Disposal recommendations for the product

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	D/E		
14.1. UN number	1170	1170	1170
14.2. UN proper shipping name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (ethanol)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (ethanol)	ETHANOL SOLUTION (ethanol)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 I		
Transport category	2		

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

WGK 1

(Germany)

Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

Trade name: Ethanolum ketonatum 70%

Substance number: 026000

Version: 7 / CH

Date revised: 22.03.2021

Replaces Version: 6 / CH

Print date: 22.03.21

SECTION 16: Other information

Hazard statements listed in Chapter 3

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

CLP categories listed in Chapter 3

Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

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.