

Trade name: Terebinthinae aetheroleum

Substance number: 016300

Version: 6 / CH

Date revised: 18.03.2019

Replaces Version: 5 / CH

Print date: 18.03.19

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

1.1. Product identifier

Terebinthinae aetheroleum

Item No. 01630000

Registration no.

EC No.: 232-350-7

Registration no. 01-21195002456-45-XXXX

CAS No. 8006-64-2

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

Use of the substance/preparation

Solvent, Cleaning agent

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9101 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. 3	H226
Acute Tox. 4	H302
Acute Tox. 4	H312
Acute Tox. 4	H332
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
Asp. Tox. 1	H304
Aquatic Chronic 2	H411

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

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**Signal word**

Danger

Hazard statements ***

H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H304 May be fatal if swallowed and enters airways.
 H411 Toxic to aquatic life with long lasting effects.
 H302+H312+H332 Harmful 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.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P331 Do NOT induce vomiting.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

contains Turpentine, oil

SECTION 3: Composition/information on ingredients**Hazardous ingredients****Turpentine, oil**

CAS No.	8006-64-2	
EINECS no.	232-350-7	
Registration no.	01-2119502456-45-XXXX	
Concentration	>= 55	%
Classification (Regulation (EC) No. 1272/2008)		
	Flam. Liq. 3	H226
	Acute Tox. 4	H302
	Acute Tox. 4	H312
	Acute Tox. 4	H332
	Asp. Tox. 1	H304
	Skin Irrit. 2	H315
	Eye Irrit. 2	H319
	Skin Sens. 1	H317
	Aquatic Chronic 2	H411

Additional remarks:

DSD Directive 67/548/EEC, Annex I, Note 4

SECTION 4: First aid measures

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4.1. Description of first aid measures

General information

Remove affected person from danger area, lay him down. Remove contaminated, soaked clothing immediately and dispose of safely. Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours is necessary. Seek medical advice immediately.

After inhalation

Remove the casualty into fresh air and keep him calm. Keep warm and at rest. Irregular breathing/no breathing: artificial respiration. If the patient is likely to become unconscious, place and transport in stable sideways position. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Do NOT induce vomiting. Summon a doctor immediately.

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

Irritation of mucosa, Headache, Dizziness, CNS Disturbance, Narcosis, respiratory moderation

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / treatment

Treat symptomatically

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Forms explosive mixture with air are possible. 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

Use self-contained breathing apparatus. Wear full protective suit.

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

Wear protective equipment. Keep away unprotected persons. Keep away sources of ignition. Ensure adequate ventilation. Avoid contact with eyes and skin. Do not inhale vapours. Refer to protective

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measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not allow to enter drains or waterways. Prevent spread over a wide area (e.g. by containment or oil barriers). Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Ensure adequate ventilation. When picked up, treat material as prescribed under Section 13 "Disposal". Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Provide good room ventilation even at ground level (vapours are heavier than air). Handle and open container with care. Avoid formation of aerosols. Observe the usual precautions for handling chemicals. Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Vapours can form an explosive mixture with air. Take action to prevent static discharges. Vapours are heavier than air and may spread along floors.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool place. Provide solvent-resistant and impermeable floor.

Hints on storage assembly

Do not store together with: Oxidizing substances, Do not store with combustible materials.

Storage classes

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

Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Turpentine, oil

List	SUVA			
Type	MAK			
Value	560	mg/m ³	100	ppm(V)
Short term exposure limit	560	mg/m ³	100	ppm(V)

Status: 2017; Remarks: S; OAW & Haut, ZNS, Lunge; NIOSH Richtwert

8.2. Exposure controls

General protective and hygiene measures

Wash hands before breaks and after work. Avoid contact with skin and eyes. Remove contaminated,

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soaked clothing immediately and dispose of safely. Do not inhale gases/vapours/aerosols. At work do not eat, drink, smoke or take drugs. Keep away from food-stuffs, beverages and feed-stocks.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Gas filterA.

Hand protection

Gloves (solvent-resistant)

Appropriate Material	nitrile rubber - NBR
Material thickness	0.35 mm
Breakthrough time	>= 8 h

Eye protection

Tightly fitting safety glasses

Body protection

impermeable protective overalls

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

Form	liquid
Colour	colourless
Odour	characteristic
pH value	
Remarks	Not applicable
Melting point	
Value	- 60 °C
Initial boiling point and boiling range	
Value	154 to 170 °C
Flash point	
Value	35 °C
Upper/lower flammability or explosive limits	
Lower explosion limit	0.8 to 6 %(V)
Vapour pressure	
Value	504 Pa
Temperature	20 °C
Density	
Value	0.858 g/cm ³
Solubility in water	
Remarks	virtually insoluble
Partition coefficient: n-octanol/water	
pOW	4.49
Temperature	20 °C
Auto-ignition temperature	
Value	253 °C
Decomposition temperature	
Remarks	No data available

9.2. Other information**Other information**

Forms explosive mixture with air are possible.

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SECTION 10: Stability and reactivity

10.1. Reactivity

Risk of explosion with: Strong oxidising agents, Reaction with nitric acid. Fluorine

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Oxidising agents

10.4. Conditions to avoid

Protect from warmth.

10.5. Incompatible materials

Incompatible with: Oxidising agents, Reaction with nitric acid. Fluorine

10.6. Hazardous decomposition products

Carbon monoxide, Carbon dioxide, Hydrocarbons

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

ATE	500	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)

Turpentine, oil

Species	rat	
LD50	500	mg/kg

Acute dermal toxicity

ATE	1'100	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute dermal toxicity (Components)

Turpentine, oil

Species	rat	
LD50	1100	mg/kg

Acute inhalational toxicity

ATE	11	mg/l
Administration/Form	Vapors	
Method	calculated value (Regulation (EC) No. 1272/2008)	

ATE	1.5	mg/l
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Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute inhalative toxicity (Components)

Turpentine, oil

Species	rat	
LC50	11	mg/l
Duration of exposure	4	h

Skin corrosion/irritation

Species	rabbit
Remarks	Irritating to skin.

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Serious eye damage/irritation

Species rabbit
Remarks Irritates the eyes.

Sensitization

Remarks May cause sensitization by skin contact.

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

Species carp (Cyprinus carpio)
LC0 0.01 mg/l
Duration of exposure 96 h

Fish toxicity (Components)**Turpentine, oil**

LC50 1 to 10 mg/l

Algae toxicity (Components)**Turpentine, oil**

EC50 1 to 10 mg/l

12.2. Persistence and degradability**Biodegradability**

Value 80 %
Duration of test 28 d
evaluation Readily biodegradable

12.3. Bioaccumulative potential**Partition coefficient: n-octanol/water**

pOW 4.49
Temperature 20 °C

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

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

Evaluation of persistence and bioaccumulation potential (Components)**Turpentine, oil**

The Substance doesn't meets PBT/vPvB-criteria

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

Do not allow it to reach ground water, water bodies or sewage system. Toxic for aquatic organisms.

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

EWC waste code No not dispose with rubbish.
EWC waste code Should not be released into the sanitary sewer system.
Disposal in compliance with local and national regulations.
EWC waste code 07 06 04* other organic solvents, washing liquids and mother liquors

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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	1299	1299	1299
14.2. UN proper shipping name	TURPENTINE	TURPENTINE	TURPENTINE
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
Transport category	3		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant 	 ENVIRONMENTALLY HAZARDOUS

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

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

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 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.