

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date: 06-Aug-2021

Revision Number: 1

Print Date: 23-Aug-2023

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

### 1.1. Product identifier

Product Name: **Gerstaecker Balsam Turpentine 1 Litre**

Article number: 34772, 34773, 34792

CAS No: 8006-64-2

EC No (EU Index No) 232-350-7

REACH registration number: 01-2119553060-53

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

Product categories [PC]: PC 0.56 - Solvent

### 1.3. Details of the supplier of the safety data sheet

Supplier: Johannes Gerstäcker Verlag GmbH  
Wecostraße 4  
D - 53783 Eitorf  
Telefon: +49 2243/ 88995  
Telefax: +49 2243/ 88945  
www.gerstaecker.com

E-mail address Gerstaecker.sdb@gerstaecker.com

### 1.4. Emergency telephone number

Emergency Telephone: poisson center North: +49 551 / 192 40 or +49 551 / 38 31 80

Emergency Telephone - §45 - (EC)1272/2008	
Europe	112
Austria	+43 1 406 43 43 (Giftinformationszentrale)
Slovakia	+421 2 5477 4166 (NTIC)
Hungary	+36 80 201 199; +36 1 476 6464 (ETTSZ)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Flammable liquids	Category 3 - (H226)
Aspiration hazard	Category 1 - (H304)
Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Dermal	Category 4 - (H312)
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Chronic aquatic toxicity	Category 2 - (H411)

### 2.2. Label elements

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Signal word: **Danger**

## Hazard components for labeling:

Contains Turpentine, oil

## Hazard statements:

H226 - Flammable liquid and vapor.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H411 - Toxic to aquatic life with long lasting effects.

H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled.

## Precautionary Statements - EU (§28, 1272/2008):

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

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

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor

P331 - Do NOT induce vomiting

P391 - Collect spillage

P403 + P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

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

P370 + P378 - In case of fire: Use dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam to extinguish

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

## Additional information:

This product is exempt from the requirement for a child resistant fastening and tactile warning of danger, as it is an aspiration hazard, placed on the market in the form of an aerosol or in a container with a sealed spray attachment.

## 2.3. Other hazards

Toxic to aquatic life.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Chemical name	CAS No	EC No (EU Index No)	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight-%
Turpentine, oil	8006-64-2	232-350-7 (650-002-00-6)	01-2119553060-53	Flam. Liq. 3 (H226) Acute Tox. 4 (H302) Asp. Tox. 1 (H304)	90 - 100

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				Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Acute Tox. 4 (H332) Aquatic Chronic 2 (H411)	
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## Acute Toxicity Estimate:

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATE<sub>mix</sub>) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Turpentine, oil 8006-64-2	5760	5010	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

**Full text of H- and EUH-phrases: see section 16**

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice:	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
Inhalation:	Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Skin contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. If symptoms persist, call a physician.
Ingestion:	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.
Self-protection of the first aider:	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing.

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

**Symptoms** Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. May cause redness and tearing of the eyes. Burning sensation.

**Effects of Exposure** No information available.

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

**Note to physicians:** May cause sensitization in susceptible persons. Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable Extinguishing Media:** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**Large Fire:** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media:** Do not scatter spilled material with high pressure water streams.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards arising from the chemical:** Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact.

### 5.3. Advice for firefighters

**Special protective equipment and precautions for fire-fighters:** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other information:** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**For emergency responders:** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions:** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or

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spillage if safe to do so. Prevent product from entering drains.

## 6.3. Methods and material for containment and cleaning up

Methods for containment: Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up: Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations.

## 6.4. Reference to other sections

Reference to other sections: See section 8 for more information. See section 13 for more information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling



Advice on safe handling: Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

General hygiene considerations: Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children. Store locked up. Store away from other materials.

### 7.3. Specific end use(s)

Other information: No information available.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Exposure Limits:

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Turpentine, oil 8006-64-2		TWA: 100 ppm TWA: 560 mg/m <sup>3</sup> STEL 100 ppm STEL 560 mg/m <sup>3</sup> Ceiling: 100 ppm Ceiling: 560 mg/m <sup>3</sup> H* Sh+	TWA: 20 ppm	TWA: 300.0 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 566 mg/m <sup>3</sup> STEL: 150 ppm STEL: 850 mg/m <sup>3</sup> * Skin Sensitisation
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Turpentine, oil 8006-64-2		TWA: 300 mg/m <sup>3</sup> Ceiling: 800 mg/m <sup>3</sup> S+	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup>	S+ TWA: 25 ppm TWA: 150 mg/m <sup>3</sup> STEL: 50 ppm STEL: 300 mg/m <sup>3</sup> A*	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 50 ppm STEL: 280 mg/m <sup>3</sup> iho*
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Turpentine, oil 8006-64-2	TWA: 100 ppm TWA: 560 mg/m <sup>3</sup>		TWA: 5 ppm TWA: 28 mg/m <sup>3</sup> Peak: 10 ppm Peak: 56 mg/m <sup>3</sup> * skin sensitizer	TWA: 100 ppm TWA: 560 mg/m <sup>3</sup> STEL: 150 ppm STEL: 840 mg/m <sup>3</sup>	STEL: 560 mg/m <sup>3</sup>
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Turpentine, oil 8006-64-2	TWA: 20 ppm TWA: 112 mg/m <sup>3</sup> STEL: 150 ppm STEL: 840 mg/m <sup>3</sup> Sens+		TWA: 20 ppm TWA: 111 mg/m <sup>3</sup> senD+		J+ O* TWA: 25 ppm TWA: 150 mg/m <sup>3</sup> STEL: 50 ppm STEL: 300 mg/m <sup>3</sup>
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Turpentine, oil 8006-64-2				TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> A+ STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup> H*	STEL: 300 mg/m <sup>3</sup> TWA: 112 mg/m <sup>3</sup>
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Turpentine, oil 8006-64-2	TWA: 20 ppm Sensitizer dermal	TWA: 400 mg/m <sup>3</sup> STEL: 500 mg/m <sup>3</sup> P*	TWA: 100 ppm TWA: 560 mg/m <sup>3</sup> S+ Ceiling: 850 mg/m <sup>3</sup>		TWA: 20 ppm TWA: 113 mg/m <sup>3</sup> Sen+
Chemical name	Sweden	Switzerland	United Kingdom	Russia	Turkey
Turpentine, oil 8006-64-2	NGV: 25 ppm NGV: 150 mg/m <sup>3</sup> Vägledande KGV: 50 ppm Vägledande KGV: 300 mg/m <sup>3</sup> * Sensitizer	S+ TWA: 20 ppm TWA: 112 mg/m <sup>3</sup> STEL: 40 ppm STEL: 224 mg/m <sup>3</sup> H*	TWA: 100 ppm TWA: 566 mg/m <sup>3</sup> STEL: 150 ppm STEL: 850 mg/m <sup>3</sup>	TWA: 300 mg/m <sup>3</sup> MAC: 600 mg/m <sup>3</sup>	

Biological occupational exposure limits:

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL):

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component information:

Worker - inhalative:

Worker - dermal:

Consumer - inhalative:

Consumer - dermal:

Consumer - oral:

Predicted No Effect Concentration (PNEC): No information available

component information:

## 8.2. Exposure controls

Engineering controls: Showers, eyewash stations, and ventilation systems.

Personal protective equipment: The usual precautionary measures for the handling of chemicals have to be observed.



Eye/face protection: Tight sealing safety goggles.

Hand protection: Wear suitable gloves. Impervious gloves.

PPE - Glove material	Glove thickness	Break through time
NBR (Nitrile rubber)	0.5 mm	>=480 min.

Skin and body protection: Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Recommended Filter Type: Filtering device (full mask or mouthpiec) with filter: AP-2

Environmental exposure controls: No information available.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance Liquid  
Color colorless  
Odor characteristic

			Conditions	Method	Remarks
Melting point / melting range	-60	°C			
Boiling point / boiling range	150 - 180	°C			
Flammability					Not established
Decomposition temperature					not relevant
Flash point	~ 36	°C			
Autoignition temperature	253	°C			
Lower explosive limit	0.7	Vol%			

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Upper explosion limit	6.1	Vol%		
Vapor pressure	5.19	hPa	20 °C	
Density	~ 0.865	g/cm <sup>3</sup>	20 °C	
Water solubility	2.55	g/L		
pH				Not applicable
pH (as aqueous solution)				Not applicable
Partition coefficient	4.49			
Kinematic viscosity	< 20.5	mm <sup>2</sup> /s	40 °C	
Odor threshold				Not established
Relative density				Not established
Evaporation rate				Not established
Relative vapor density	no data available			
Particle Size	no data available			
Particle Size Distribution	no data available			

## 9.2. Other information

Bulk density:	no data available
Softening point	No information available
Molecular weight	No information available

### 9.2.1. Information with regard to physical hazard classes:

Explosive properties	No data available
Oxidizing properties	No data available

### 9.2.2. Other safety characteristics: No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity: No information available.

### 10.2. Chemical stability

Stability: Stable under normal conditions.

Explosion data:

Sensitivity to mechanical impact:	None.
Sensitivity to static discharge:	Yes.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: None under normal processing.

### 10.4. Conditions to avoid

Conditions to avoid: Heat, flames and sparks.

### 10.5. Incompatible materials

Incompatible materials: Strong acids. Strong bases. Strong oxidizing agents.

### 10.6. Hazardous decomposition products



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Hazardous decomposition products: None known based on information supplied.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure:

Product Information:

Inhalation: Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.

Eye contact: Specific test data for the substance or mixture is not available. May cause irritation. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact: May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Repeated exposure may cause skin dryness or cracking. Causes skin irritation.

Ingestion: Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. (based on components).

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms: Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes.

Numerical measures of toxicity:

Acute toxicity: Substance

Chemical name	Parameter	Species	Effective dose	Method
Turpentine, oil 8006-64-2	Oral LD50	Rat	5760 mg/kg	

Chemical name	Parameters	Species	Effective dose	Method
Turpentine, oil 8006-64-2	Dermal LD50	Rabbit	> 5010 mg/kg	

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
Turpentine, oil 8006-64-2	Inhalation LC50	Rat	13.7 mg/L	4 h	

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Skin corrosion/irritation: Irritating to skin.

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Serious eye damage/eye irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	May cause sensitization by skin contact.
Germ cell mutagenicity:	No information available.
Carcinogenicity:	No information available.
Reproductive toxicity:	No information available.
STOT - single exposure:	No information available.
STOT - repeated exposure:	No information available.
Aspiration hazard:	May be fatal if swallowed and enters airways.

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No information available.

### 11.2.2. Other information

No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity: Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

fish toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Turpentine, oil 8006-64-2	EC50		736 mg/L		OECD 209

toxicity to crustacea:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Turpentine, oil 8006-64-2	EC50	Daphnia magna	14.1 mg/L		

### 12.2. Persistence and degradability

Persistence and degradability: No information available

### 12.3. Bioaccumulative potential

Bioaccumulation:

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
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Turpentine, oil 8006-64-2	4.49	
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## 12.4. Mobility in soil

Mobility in soil: No information available.

Mobility: No information available.

## 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment:

Chemical name	PBT and vPvB assessment
Turpentine, oil 8006-64-2	The substance is not PBT / vPvB

## 12.6. Endocrine disrupting properties.

No information available.

## 12.7. Other adverse effects.

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste from residues/unused products: Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging: Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

Waste codes / waste designations according to EWC / AVV: 07 01 04\* (other organic solvents, washing liquids and mother liquors)

## SECTION 14: Transport information

### 14.1. UN number

ADR: UN1299  
RID: UN1299  
IMDG: UN1299  
IATA: UN1299

### 14.2 UN proper shipping name

ADR: TURPENTINE  
UN1299, TURPENTINE, 3, III, Environmentally Hazardous

RID: TURPENTINE  
UN1299, TURPENTINE, 3, III, Environmentally Hazardous

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IMDG: TURPENTINE  
UN1299, TURPENTINE, 3, III, (36°C C.C.), MARINE POLLUTANT

IATA: TURPENTINE  
UN1299, TURPENTINE, 3, III

## 14.3. Transport hazard class(es)

ADR: 3  
Hazard label(s) 3  
Classification code F1  
ADR Hazard Id (Kemmler Number) 30  
Tunnel restriction code (D/E)  
Limited quantity (LQ) 5 L  
Excepted quantity E1

RID: 3  
Labels 3  
Classification code F1

IMDG: 3  
Hazard label(s) 3  
Limited quantity (LQ) 5 L  
Excepted quantity E1  
EmS-No. F-E, S-E

IATA: 3  
Hazard label(s) 3  
Excepted quantity E1

## 14.4. Packing group

ADR: III  
RID: III  
IMDG: III  
IATA: III

## 14.5. Environmental hazards

ADR: Yes  
RID: Yes  
IMDG: Yes  
IATA: Yes

## 14.6. Special precautions for user

ADR: Special Provisions: None  
RID: Special Provisions: None  
IMDG: Special Provisions: None  
IATA: Special Provisions: None  
ERG Code 3L

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## 14.7 Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### European Union:

Regulation (EC) No. 1907/2006 (Annex II - (EC) No. 2020/878) and Regulation (EC) No. 1272/2008

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work:

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken

Authorizations and/or restrictions on use:

- This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Substance subject to authorization per REACH Annex XIV	Restricted substance per REACH Annex XVII
Turpentine, oil 8006-64-2		75.

Persistent Organic Pollutants: (EC) 2019/1021 Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU):

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Ozone-depleting substances (ODS) regulation (EC) 1005/2009: Not applicable

volatile organic compounds (VOC) content:

acc. reg. 2010/75/EG: 100 %

acc. reg. 2004/42/EG (Decopaint): 100 %

#### National regulations:

Denmark:

Chemical name	Denmark - MAL
Turpentine, oil 8006-64-2	18 m3/10 g substance MAL factor 13 m3/10 g substance MAL factor >=1 % by weight [3]

Germany:

Water hazard class (WGK): obviously hazardous to water (WGK 2) - Classification according to AwSV

Chemical name	WGK Classification (AwSV)	ID number
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Turpentine, oil 8006-64-2	2	2833
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TA Luft (German Air Pollution Control Regulation):  
org. substances (Ziffer 5.2.5): 95 - 100%  
Storage class (TRGS 510): LGK 3 - Flammable liquids

## France:

Occupational Illnesses (R-463-3, France):

Chemical name	French RG number
Turpentine, oil 8006-64-2	RG 65, RG 84

RG 65 - Allergic eczema  
RG 84 - Conditions caused by occupational use of liquid organic solvents

## Netherlands:

Water contaminating class (Netherlands): A2

## Austria:

Flammable Liquids Regulations, VbF: Not regulated

## Poland:

Ordinance of the Minister of Family, Labor and Social Policy dated June 12, 2018 on the highest permissible concentrations and intensities of harmful factors for health in the work environment (Dz. U. 2018 item 1286, as amended)  
Act of December 14, 2012 on waste (Journal of Laws of 2013, item 21; as amended)  
Act on chemical substances and their mixtures of February 25, 2011. (Journal of Laws No. 63, item 322; as amended)  
Regulation of the Minister of Labor and Social Policy of September 26, 1997 on general regulations of safety and hygiene at work (Dz. U. of 2003, No. 169, item 1650; as amended).

## Switzerland:

VOC content:: acc. VOCV CH 814.018, att. 1: 100 %

## Hungary:

Decree No 44/2000 (XII.27.) of the Ministry of Economic Affairs and Labour of the Republic of Hungary on certain procedures and activities Joint Decree No. 5/2020 ITM on Chemical Safety at Work 178/2017 (VII. 5.)  
Government Decree on the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) „A“ and „B“ of the European Agreement on Road Transport

## International Inventories:

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies
NZIoC	Complies

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## Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- NZIoC** - New Zealand Inventory of Chemicals
- DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

## 15.2. Chemical safety assessment

Chemical Safety Report: No information available

## SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet:

Full text of H-Statements referred to under section 3:

- H226 - Flammable liquid and vapor
- 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
- H319 - Causes serious eye irritation
- H332 - Harmful if inhaled
- H411 - Toxic to aquatic life with long lasting effects

Legend:

- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
- ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route)
- AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany)
- BCF: Bio-Concentration Factor
- BOD(5): Biochemical oxygen demand (within 5 days)
- CAS: Chemical Abstract Service
- CLP: Classification, Labelling and Packaging
- CMR: Carcinogenic, Mutagenic, toxic for Reproduction
- DIN: German Standards Institute / German industrial norm
- DNEL: Derived No Effect Level
- DOC: Dissolved organic carbon
- EAK/ AVV: European waste catalogue/ waste directory-regulation
- EC50: Effective Concentration 50%
- ECHA: European Chemical Agency
- EINECS: European Inventory of Existing Commercial Chemical Substances
- GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
- IATA: International Air Transport Association
- IC50: Inhibition Concentration 50%
- IMDG: International Maritime Dangerous Goods Code
- LC50: Lethal Concentration 50% - LD50: Lethal dose 50%
- MAK: Threshold limit values Germany

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NLP: No Longer Polymers  
NOAEC: No Observed Adverse Effect Concentration  
NOAEL: No Observed Adverse Effect Level  
OECD: Organization for Economic Cooperation and Development  
PBT: persistent, bioaccumulative, toxic  
PC: Product category  
PNEC: Predicted No Effect Concentration  
REACH: Registration, Evaluation and Authorization of Chemicals  
RID: Regulations concerning the international carriage of dangerous goods by rail  
(Règlement International concernant le transport de marchandises dangereuses par chemin de fer)  
STEL: Short-term Exposure Limit  
STP: Sewage treatment plant  
SVHC: Substance of Very High Concern  
TLV: Threshold Limit Value  
TWA: Time Weighted Average  
UN: United Nations  
VOC: Volatile Organic Compounds  
vPvB: very persistent, very bioaccumulative

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ceiling: Maximum limit value

\* Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS:

European Chemicals Agency (ECHA)

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AELG(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification



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Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

RTECS (Registry of Toxic Effects of Chemical Substances)

World Health Organization

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Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH):

## Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**