

## TERPINEOL

### SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** TERPINEOL  
**Product Code:** 2743  
**CAS#:** 8006-39-1  
**CI#:** Not available  
**Synonym:** Not available  
**Chemical Name:** Not available  
**Chemical Formula:** C<sub>10</sub>H<sub>18</sub>O  
**Formula Weight:** 154.25

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**Composition:**  
TERPINEOL  
**Toxicological Data on Ingredients:**  
Skin Irrit. 2; Eye Irrit. 2;  
H315, H319

### SECTION 3: HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**  
**Classification according to Regulation (EC) No 1272/2008**  
Skin irritation (Category 2), H315  
Eye irritation (Category 2), H319  
**Other hazards:** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

### SECTION 4: FIRST AID MEASURES

**Description of first aid measures:**  
**If inhaled If breathed in:** If breathed in, move person into fresh air. If not breathing, call in physician  
**In case of skin contact:** Wash off with plenty of water  
**In case of eye contact:** After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.  
**If swallowed:** After swallowing: make victim drink water (two glasses at most), Consult a physician  
**Most important symptoms and effects, both acute and delay:** No data available  
**Indication of any immediate medical attention and special treatment needed:** Not available

### SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing media**  
**Suitable extinguishing media:** Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder  
**Special hazards arising from the substance or mixture:**  
Carbon oxides  
Combustible  
Development of hazardous combustion gases or vapours possible in the event of fire  
**Advice for firefighters:** Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing



**Further information:** Prevent fire extinguishing water from contaminating surface water or the ground water system.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

**Environmental precautions:** Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling:** Not available

**Advice on protection against fire and explosion:** Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

**Conditions for safe storage, including any incompatibilities:**

**Storage conditions:** Keep container tightly closed in a dry and well-ventilated

**Storage class:** Storage class (TRGS 510): 10: Combustible liquids

**Specific end use(s) apart from the uses:** No other specific uses are stipulated

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure controls.**

**Personal protective equipment**

**Eye/face protection** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection** Flame retardant antistatic protective clothing

**Respiratory protection:** It is required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type ABEK

**Control of environmental exposure:** Do not let product enter drains

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance Form	: liquid
Odour	: Not available
Taste	: Not available
Molecular Weight	: Not available
Colour	: colorless
pH	: Not available
Boiling Point	: Not available
Melting Point	: 15 - 35 °C
Critical Temperature	: Not available
Density	: Not available
Relative Density	: Not available
Vapor Pressure	: Not available
Vapor Density	: Not available
Volatility	: Not Available
Odor Threshold	: Not Available



Water/Oil Dist. Coeff.	: Not Available
Ionicity (in Water)	: Not Available
Dispersion Properties	: Not Available
Water Solubility	: Not available
Partition coefficient	: Not Available
Auto-ignition temperature	: Not Available

## SECTION 10: STABILITY AND REACTIVITY DATA

**Reactivity:** Not available

**Chemical stability:** The product is stable under recommended storage conditions

**Possibility of hazardous reactions:** Violent reactions possible with:

Bases

Acids

Strong oxidizing agents

**Conditions to avoid:** No information available

**Incompatible materials:** Not available

**Hazardous decomposition products other decomposition products:** Not available

## SECTION 11: TOXICOLOGICAL INFORMATION

**Information on toxicological effects:**

**Acute toxicity**

LD50 Oral - Rat - male - 4.300 mg/kg

(OECD Test Guideline 401)

The value is given in analogy to the following substances: terpineol (p-menth-1-en-8-ol)

Inhalation: No data available

LD50 Dermal - Rat - male and female - > 2.000 mg/kg

(OECD Test Guideline 402)

The value is given in analogy to the following substances: terpineol (p-menth-1-en-8-ol)

**Skin corrosion/irritation:**

Skin - Rabbit

Result: irritating - 4 h

(OECD Test Guideline 404)

The value is given in analogy to the following substances: terpineol (p-menth-1-en-8-ol)

**Serious eye damage/eye irritation:**

Eyes - Rabbit

Result: Eye irritation - 24 h

(OECD Test Guideline 405)

Remarks: (in analogy to similar products) The value is given in analogy to the following substances: terpineol (p-menth-1-en-8-ol) The value is given in analogy to the following substances: Fir oil Respiratory or skin sensitization: Not available

**Carcinogenicity:** Not available

**Reproductive toxicity:** Not available

**Specific target organ toxicity:** Not available

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:**

**Toxicity to fish:** Semi-static test LC50 - Danio rerio (zebra fish) - 70 mg/l - 96 h

(OECD Test Guideline 203)

**Toxicity to daphnia and other aquatic invertebrates:** Static test LC50 - Daphnia magna (Water flea) - 73 mg/l - 48 h

(OECD Test Guideline 202)



**Toxicity to algae:** Static test LC50 - Pseudokirchneriella subcapitata (green algae) - ca.68 mg/l - 72 h (OECD Test Guideline 201)

**Persistence and degradability:**

Biodegradability aerobic - Exposure time 28 d

Result: 80 % - Readily biodegradable

**Bio accumulative potential:** Not available

**Mobility in soil:** Not available

**Results of PBT and vPvB assessment PBT/vPvB assessment:** This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

**Other adverse effects:** When discharged properly, no impairments in the function of adapted biological wastewater treatment plants are to be expected. Discharge into the environment must be avoided

### SECTION 13: DISPOSAL CONSIDERATIONS

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

### SECTION 14: TRANSPORT INFORMATION

**UN number**

ADR/RID:

IMDG:

IATA:

**UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**Transport hazard class(es)**

ADR/RID:

IMDG:

IATA:

**Packaging group**

ADR/RID:

IMDG:

IATA:

**Environmental hazards**

ADR/RID: No

IMDG Marine pollutant: No

IATA: No

**Special precautions for user**

No data available

### SECTION 15: OTHER REGULATORY INFORMATION

**Regulatory information:**

**Full text of H-Statements referred to under sections 2 and 3.**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

**Chemical Safety Assessment:** A Chemical Safety Assessment was not carried out for this substance

### SECTION 16: OTHER INFORMATION

**References:**

**Full text of H-Statements referred to under sections 2 and 3.**

H226 Flammable liquid and vapor

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Other Special Considerations:** Not available



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