Printing Date: 9/23/2019
Reviewed on: 9/1/2019:

SAFETY DATA SHEET

www.TerpScienceLabs.com

Section 1: Identification

Product and Company Identification

Product Name: Terpineol
Chemical Name/Synonyms: C10H18O
CAS NO.: 8000-41-7

Relevant identified uses of the substance or mixture and uses advised against
Identified uses : Laboratory chemicals, Synthesis of substances

Details of Supplier of Safety Data Sheet
Company: Terp Science Labs.
215 E 4th St.
Unit P-36
Los Angeles, 90013
USA
Contact: Brent Borrow
Telephone: 1(323) 625 - 0228
Email: TSLabs323@gmail.com
Website: www.TerpScienceLabs.com

In emergency call 911.
For information about this SDS, use this department contact phone#: 1 (323) 625-0228

Section 2: Hazard(s) Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319

Signal Word(s): Warning

Hazard Statements:
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Pictograms: 

Precautionary Statements:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.

Description of other hazards: None

Section 3: Composition/ Information on Ingredients

Substances
Formula : C10H18O
Molecular weight : 154.25 g/mol
CAS-No. : 8000-41-7
EC-No. : 232-268-1

Chemical Name	Classification	Concentration	
Terpineol	Skin Irrit. 2; Eye Irrit. 2A; H315, H319	<= 100 %	

Section 4: First-Aid Measures

After skin contact:
Wash off with soap and plenty of water. Consult a physician

After eye contact:
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After inhalation:
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

After swallowing:
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture
No data available

Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
Use water spray to cool unopened containers

Section 6: Accidental Release Measures

Personal precautions:
Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Measures for environmental protection:
Do not let product enter drains.

Measures for cleaning/collecting:
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling:
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist..
Storage:
Keep container tightly closed in a dry and well-ventilated place. S
Specific end use(s):
No other specific uses are stipulated

Section 8: Exposure Controls/Personal Protection

Components with workplace control parameters
Control Parameters: TWA 20.000000 ppm
Basis: USA. ACGIH Threshold Limit Values (TLV)
Remarks
Central Nervous System impairment Upper Respiratory Tract irritation Lung damage Skin irritation Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC) Not classifiable as a human carcinogen Sensitizer varies

Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Safety glasses with side-shields conforming to EN166 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

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Do not let product enter drains.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Form: liquid Colour: colourless
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	-35.9 - -28.2 °C (-32.6 - -18.8 °F) - OECD Test Guideline 102
Initial boiling point and boiling range	214 - 224 °C (417 - 435 °F) at 1.01 hPa (0.76 mmHg)
Flash point	ca.88 °C (190 °F) at ca.1,013 hPa (760 mmHg)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	3 hPa (2 mmHg) at 20 °C (68 °F) - OECD Test Guideline 104
Vapour density	No data available
Relative density	0.93 g/cm3 at 25 °C (77 °F) - lit.
Water solubility	2.54 g/l at 20 °C (68 °F) - OECD Test Guideline 105 - soluble
Partition coefficient: noctanol/water	log Pow: 2.6 at 30 °C (86 °F) - OECD Test Guideline 117
Auto-ignition temperature	ca.264 °C (507 °F) at 980 - 981 hPa (735 - 736 mmHg)
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other safety information
No data available

Section 10: Stability and Reactivity

Reactivity: No data available
Chemical stability: Stable under recommended storage conditions
Possibility of hazardous reactions: No data available
Conditions to avoid: No data available
Incompatible materials: oxidizing agents
Hazardous decomposition products:
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity
LD50 Oral - Rat - male and female - > 2,000 mg/kg (OECD Test Guideline 401)

LC50 Inhalation - Rat - male and female - 4 h - > 4.76 mg/l (OECD Test Guideline 403)

LD50 Dermal - Rat - male and female - > 2,000 mg/kg (OECD Test Guideline 402)

No data available

Skin corrosion/irritation
Skin - Rabbit
Result: Skin irritation (OECD Test Guideline 404)

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Irritating to eyes.
(OECD Test Guideline 405)

Respiratory or skin sensitisation
Maximisation Test - Guinea pig
Did not cause sensitisation on laboratory animals. (OECD Test Guideline 406)

Germ cell mutagenicity
in vitro assay
S. typhimurium
Result: negative

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
Repeated dose toxicity Rat - male and female - Oral - NOAEL : 250 mg/kg
RTECS: WZ6600000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information (non-mandatory)

Toxicity

Toxicity to fish
semi-static test LC50 - Danio rerio (zebra fish) - ca. 62.80 mg/l - 96 h (OECD Test Guideline 203)
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 (OECD Test Guideline 310)

Bioaccumulative potential
No data available

Mobility in soil
No data available

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects
No data available

Section 13: Disposal Considerations (non-mandatory)

Waste treatment methods

Product
This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging
Dispose of as unused product.

Section 14: Transport Information (non-mandatory)

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

Section 15: Regulatory Information (non-mandatory)

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute Health Hazard

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components
Terpineol CAS-No. 8000-41-7

New Jersey Right To Know Components
Terpineol CAS-No. 8000-41-7

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

HMIS Rating
Health hazard: 2
Chronic Health Hazard:
Flammability: 0
Physical Hazard 0

NFPA Rating
Health hazard: 2
Fire Hazard: 0
Reactivity Hazard: 0

Employers should only use this information only as a supplement to other information gathered by them , and should make judgement suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet , or in any combination with any other product or process, is the responsibility of the user.

Preparation Information Terp Science Labs
SDS date of preparation/update: 9/1/2019