

3. COMPOSITION AND INFORMATION ON INGREDIENTS:

SYNONYMS	(S)-2-(4-METHYL-3-CYCLOHEXENYL)-2-PROPANOL A- TERPINEOL
Formula	C ₁₀ H ₁₈ O
CAS-No	EC-No
10482-56-1	202-680-6
Classification	
Skin Irrit.2; Eye Irrit.2; STOT SE 3; H315, H319, H335; Xi, R36/37/38	

4. FIRST-AID GUIDE:

General advice

Consult a physician

Show this safety data sheet to the doctor in attendance

If inhaled

If breathed in, move person into fresh air

If not breathing, give artificial respiration

Consult a physician

In case of skin contact

Wash off with soap and plenty of water

Consult a physician

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes

Consult a physician

If swallowed

Never give anything by mouth to an unconscious person

Rinse mouth with water

Consult a physician

5. FIRE-FIGHTING GUIDE:

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for firefighting if necessary

6. ACCIDENTAL RELEASE GUIDE:

Personal precautions

Use personal protective equipment

Avoid dust formation

Avoid breathing vapors, mist or gas

Ensure adequate ventilation

Evacuate personnel to safe areas

Avoid breathing dust

Environmental precautions

Do not let product enter drains

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust

Sweep up and shovel

Keep in suitable, closed containers for disposal

7. HANDLING AND STORAGE:**Precautions for safe handling**

Avoid contact with skin and eyes

Avoid formation of dust and aerosols

Provide appropriate exhaust ventilation at places where dust is formed

Normal measures for preventive fire protection

Conditions for safe storage

Store in cool place

Keep container tightly closed in a dry and well-ventilated place

Handle and store under inert gas

Air and moisture sensitive

8. EXPOSURE AND PERSONAL PROTECTION:**Personal protective equipment****Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator

For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

Hand 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

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it

Eye 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 and 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

Hygiene measures

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

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance

Form solid

Safety data

pH no data available
Melting point 31 - 35 °C - lit
Boiling point 217 - 218 °C - lit
Flash point 90 °C - closed cup
Ignition temperature no data available
Lower explosion limit no data available
Upper explosion limit no data available
Density 0,93 g/mL at 25°C
Water solubility no data available

10. STABILITY AND REACTIVITY:

Chemical stability

Stable under recommended storage conditions

Conditions to avoid

No data available

Materials to avoid

Strong oxidizing agents, Acid chlorides, Acid anhydrides

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION:

Acute toxicity

LD50 Oral - rat - 5.170 mg/kg

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Potential health effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation
Ingestion	May be harmful if swallowed
Skin	May be harmful if absorbed through skin. Causes skin irritation
Eyes	Causes serious eye irritation

Signs and Symptoms of Exposure

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

Additional Information

RTECS: WZ6700000

12. ECOLOGICAL INFORMATION:**Toxicity**

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

PBT and vPvB assessment

No data available

Other adverse effects

No data available

13. DISPOSAL RECOMMENDATIONS:**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company
Contact a licensed professional waste disposal service to dispose of this material
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber

Contaminated packaging

Dispose of as unused product

14. TRANSPORTATION INFORMATION:

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION:

OSHA Hazards

Irritant

SARA 302 Components

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

SARA 313 Components

SARA 313: 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

p-Menth-1-en-8-ol	CAS-No
	10482-56-1

New Jersey Right to Know Components

p-Menth-1-en-8-ol	CAS-No
	10482-56-1

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.

16. OTHER INFORMATION:

The information in this MSDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond M&U's control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the products improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission in the MSDS. Various federal, state, or provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in the MSDS. The user should review these regulations to ensure full compliance.