

## MATERIAL SAFETY DATA SHEET

### SECTION I: Identification of the Substance and the Company

#### 1. Identification:

Product form	: Substance
Substance name	: Menthol Crystals
CAS-No.	: 2216-51-5
Formula	: C10H20O
Synonyms	: 5-Methyl-2-(propan-2-yl)cyclohexan-1-ol/ 2-Isopropyl-5-methylcyclohexan-1-ol/2-Isopropyl-5-methylcyclohexanol / 3-p-Menthanol / Hexahydrothymol /Menthomenthol/Peppermint camphor

#### 2. Recommended Use and Restriction of Use:

Use of the substance/mixture	: Laboratory chemicals, Manufacture of substances
Use of the substance/mixture	: Flavorings

#### 3. Supplier Details:

Supplier: Elchemy

Company Address: A-448, Pocket 2, Sector 8, Rohini, New Delhi, Pin Code: 110085, India

Company Web Site: [www.elchemy.com](http://www.elchemy.com)

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## SECTION II: Hazards Identification

### 1. Classification of substance or mixture:

GHS US Classification : Skin irritation (Category 2), H315 Serious Eye Damage (Category 1) H318 Specific target organ toxicity-single exposure (Category 3) Respiratory System H335 Acute aquatic toxicity (Category 3), H402 Chronic aquatic toxicity (Category 3), H412

### 2. Label Elements:

Hazard Pictogram :

Signal Word	: Warning
Hazard statements	: H315 - Causes skin irritation H319 - Causes serious eye irritation
Precautionary Statements	: P261 Avoid breathing dust / fumes / gas / mist /
vapors	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing



### 3. Other hazards:

No Information available

### 4. Unknown Acute Toxicity:

Not applicable



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## SECTION III: Composition/Information on Ingredients

### 1. Substance:

Name: MENTHOL CRYSTALS (Main constituent)

Molecular Weight: 156.27g/mol

Product identifier: CAS-No.: 2216-51-5

GHS US classification: Skin irritation (2), H315, Serious Eye Damage (1) H318, Specific target organ toxicity-single exposure (3) Respiratory System H335, Acute aquatic toxicity (3), H402, Chronic aquatic toxicity (3), H412,

### 2. Mixtures:

Not applicable

## SECTION IV: First Aid Measures

### 1. Description of necessary first aid measures:

- First-aid measures general: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
- First-aid measures after inhalation: Provide fresh air; keep at rest and at a

Rinse skin with cool water then wash with mild soap and warm water. Consult a physician.

#### d. First-aid measures after eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes as a precaution. Consult a physician.

#### e. First-aid measures after ingestion:

DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 2. Most important symptoms and effects, both acute and delayed:

May cause respiratory irritation.



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a. Symptoms/effects after inhalation:	
b. Symptoms/effects after skin contact:	Causes skin irritation.
c. Symptoms/effects after eye contact:	Causes serious eye damage
d. Symptoms/effects after ingestion:	Gastrointestinal complaints after ingestion of high quantities.

**e. Chronic symptoms:**

No effects known.

**3. Indication of any immediate medical attention and special treatment needed:**

Treat symptomatically.

**SECTION V: Fire Fighting Measures**

**1. Extinguishing Media:**

a. Suitable extinguishing media: For small (incipient) fires, use media such as alcohol foam, dry chemicals, carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

b. Unsuitable extinguishing media: Do not use a heavy water stream.

**2. Special hazards arising from the substance or mixture:**

No additional information available.

**3. Advice for firefighters:**

a. Firefighting instructions: Cool containers exposed to flame with water spray. Spray extinguishing media directly into the base of fire.



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## SECTION VI: Accidental Release Measures

### 1. Personal precautions, protective equipment and emergency procedures:

Wear a NOISH approved respirator. Avoid ingestion or contact with skin and eyes. Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes. Wear eye protection, gloves and aprons. Ventilate the area well.

### 2. Environmental precautions:

Avoid release to the environment.

### 3. Methods and materials for containment and cleaning up:

Eliminate all sources of ignition. Ventilate area. Prevent liquid from entering sewers. Small spills can be wiped up with paper rags (place in closed metal waste container). Large spills can be absorbed onto non-flammable absorbent. Wash the area with soap and water.

## SECTION VII: Handling and Storage

### 1. Precautions for safe handling:

a. Precautions for safe handling: Avoid ingestion or contact with skin and eyes. Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes.

b. Hygiene measures: Wash thoroughly after handling.

### 2. Conditions for safe storage, including any incompatibilities:

Keep away from heat. Keep away from sources of ignition. Keep the container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep the container dry. Keep in a cool place.



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## SECTION VIII: Exposure Controls

### 1. Control parameters:

Components with workplace control parameters: Contains no substance with workplace control parameters.

### 2. Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practices.

### 3. Individual protection measures, such as personal protective equipment:

- **Body protection:** Complete suit protection against chemicals should be selected specifically for the workplace, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
- **Eye/face protection:** Wear appropriate safety glasses and face shield. NIOSH (US) or EN 166 (EU) tested and approved.
- **Skin protection:** Wear chemically resistant Nitrile rubber gloves. Use proper glove removal techniques (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use. Wash and dry hands.
- **Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (U) 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 (U) or CEN (EU).

## SECTION IX: Physical and Chemical Properties

### General Information:

- **Appearance:** Colorless to white crystals
- **Color:** Colorless crystals.
- **Odor:** Peppermint odor.
- **Odor threshold:** No data available
- **pH:** No data available



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- **Melting point/freezing point:** 34 - 36 °C
  - **Boiling point/boiling range (°C):** 216 °C
  - **Flash point:** 93.4 °C
  - **Evaporation rate:** No data available
  - \_\_\_\_\_
  - **Lower flammability/Explosive limit:** Not determined
  - **Upper flammability/Explosive limit:** Not determined
  - **Vapour pressure:** No data available
  - **Vapour Density:** Not determined
  - **Density:** 0.89 g/cm<sup>3</sup>
  - **Molecular Mass:** 156.27 g/mol
  - **Solubility in other solvents:** Water: Slightly soluble in water
  - **Auto-ignition temperature:** No data available
  - **Decomposition temperature:** Not determined
  - **Viscosity, dynamic:** Not determined
  - **Viscosity, kinematic:** Not determined
  - **Explosive properties:** Not determined
  - **Oxidizing properties:** No data available

## SECTION X: Stability and Reactivity

- **Reactivity:** No additional information available
- **Chemical stability:** Stable under normal conditions.
- **Possibility of hazardous reactions:** No additional information available.
- **Conditions to Avoid:** Direct sunlight. Air contact. Moisture.
- **Incompatible materials:** Strong oxidizing agents
- **Hazardous decomposition products:** No additional information available.

## SECTION XI: Toxicological Information

- **Acute toxicity:** Not classified
- **LD50 oral rat:** 800 mg/kg
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## 5. Skin corrosion/irritation

Not classified



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## 6. Serious eye damage/irritation

Not classified

## 7. Respiratory or skin sensitisation

Not classified

## 8. Germ cell mutagenicity

Not classified

## 9. Carcinogenicity

Not classified

## 10. Reproductive toxicity

Not classified

## 11. STOT-single exposure

Not classified

## 12. STOT-repeated exposure

Not classified

## 13. Aspiration hazard

Not classified

## 14. Potential adverse human health effects and symptoms

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



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## SECTION XII: Ecological Information

### 1. Toxicity

LC50 - Fish [1], Pimephales promelas (fathead minnow) - 18.9 mg/l - 96 hr

### 2. Persistence and degradability

No data available

### 3. Bioaccumulative potential

No data available

### 4. Mobility in soil

No data available

### 5. Other adverse effects

Harmful to aquatic life

## SECTION XIII: Disposal Considerations

### 1. Disposal methods

- **Regional legislation (waste)** : Disposal must be done according to official regulations.
- **Sewage disposal recommendations** : Disposal must be done according to official regulations.

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National regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle by distillation. Remove to an authorized waste incinerator for solvents with



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energy recovery. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

## SECTION XIV: Transport Information

In accordance with DOT / TDG / IMDG / IATA

### 1. UN Number

Not regulated for transport

### 2. UN proper shipping name

Proper Shipping Name (DOT) :	Not applicable
Proper Shipping Name (TDG) :	Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

### 3. Transport hazard class(es)

- DOT Transport hazard class(es) (DOT) : Not applicable
- TDG Transport hazard class(es) (TDG) : Not applicable
- IMDG Transport hazard class(es) (IMDG) : Not applicable
- IATA Transport hazard class(es) (IATA) : Not applicable

### 4. Packing Group

Packing group (DOT) :	Not applicable
Packing group (TDG) :	Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA) :	Not applicable



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## 5. Environmental Hazard s

Other information : No supplementary information available.

## 6. Special precautions for user:

DOT: No data available

TDG: No data available

IMDG: No data available

IATA: No data available

## 7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

NA

## SECTION XV: Regulatory Information

### 1. US Federal regulations:

- **a.** Not subject to reporting requirements of the United States SARA Section 313
- **b.** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

### 2. International regulations:

- **a.** Germany: Water hazard class (WGK) 1, slightly hazardous to water (Classification according to VwVwS, Annex 3; WGK No 8252)
- **b.** Denmark: Class for fire hazard: Class III-1 Store unit: 50 liter Classification remarks: Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed
- **c.** EU-Regulations: No REACH Annex XVII restrictions, MENTHOL CRYSTALS is not on the REACH Candidate List MENTHOL CRYSTALS is not on the REACH Annex XIV List



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### 3. US State regulations:

- **a.** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
- **b.** No components are subject to the Massachusetts Right to Know Act

## SECTION XVI: Other Information

### Full text of R-, H- and EUH-phrases:

- Eye Irrit. 2: Serious eye damage/eye irritation, Category 2
- Skin Irrit. 2: Skin corrosion/irritation, Category 2
- H315: Causes skin irritation
- H319: Causes serious eye irritation
- R37/38: Irritating to respiratory system and skin
- R41: Risk of serious damage to eyes
- Xi: Irritant

This is a computer-generated document hence does not need signature.



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