



Safety Data Sheet
Menthol Crystals

Section 1: Chemical Product and Company Identification

Product Name: Menthol Crystals
Catalog Codes: FL015-WL-Menthl-Crystals, FL030-WL-Menthl-Crystals, FL060-WL-Menthl-Crystals
Botanical Name: Mentha arvensis
Synonyms: M. arvensis var. piperascens, Mentha austriaca, Mentha arvensis L.
Chemical Formula C₁₀H₂₀O
INCI Name: Menthol
CAS# 2216-51-5
Country of Origin: India

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Section 2: Hazards Identification



NFPA

HAZARDS: IRRITANT



SIGNALWORD: WARNING!

GHS label elements including precautionary statements.

DANGER! MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. MAY CAUSE ALLERGIC REACTION. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

Eye Contact: Irritant due to its phenolic character. Can cause reddening and tearing.

Skin Contact: Mild irritant but may cause pain or inflammation on sensitive areas of the skin.

Ingestion: TOXIC: If ingested, may cause nausea, vomiting, pain, drowsiness, convulsions, coma or death.

Inhalation: Breathing of vapors can irritate mucous membranes/respiratory system.

Section 3: Composition / Ingredient Information

Chemical Identity: L-Menthol; Menthol crystals
Chemical Name: Hexahydrothymol
Molecular Weight: 156.3 g/mole
EINECS#: 218-690-9
Properties (%w/w) 100% pure

Section 4: First Aid Measures

Eyes: EYE IRRITANT. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention if irritation persists.

Skin: Immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists.

Ingestion: Rinse mouth and seek medical attention immediately. Do NOT induce vomiting. Loosen tight clothing such as collars, ties, belts etc. If the victim is not breathing, perform mouth to mouth resuscitation.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Medical Conditions Generally Aggravated by Exposure: Persons with pre-existing skin disorders, eye problems or impaired respiratory function may be more susceptible to the effects of this substance.

Section 5: Firefighting Measures

Flash Point: 93°C

Extinguishing media: Carbon Dioxide, dry chemical or foam. Closed containers may build up pressure at elevated temperature

Special Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan.

Unusual Firefighting Hazards: None identified.

Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn When fighting fires involving oils or chemicals.

Combustion Product: Carbon Monoxide, Carbon Dioxide

Section 6: Accidental Release Measures

Personal Precautions: Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.

Safety Precautions: Eliminate all ignition sources. Ventilate area. Determine the need to Evacuate or isolate the area according to your local emergency plan.

Environmental Precautions: Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.

Methods For Cleaning Up: Contain and collect with inert absorbent material and place in suitable container for disposal. Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with hot water and detergent.

Section 7: Handling and Storage

Handling: Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before reuse.

Storage: Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition Make sure the material does not come into contact with substances listed as: "Materials to Avoid".

Section 8: Exposure Controls / Personal Protection

Eyes Protection: The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended.

Respiratory Protection: In well-ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of "NIOSH" approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).

Protective Gloves: Using chemical resistant gloves is recommended.

Protective Clothing: Using chemical resistant clothing is recommended.

Protective Equipment: An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

Section 9: Physical and Chemical Properties

Physical State: Solid crystalline

Color: White/Clear

Odor: Characteristic of menthol, peppermint-like

Refractive Index: 1.455-1.500 @20 C

Specific Gravity (H₂O = 1): 0.89

Vapor Pressure (mm Hg.): Not available

Vapor Density (AIR = 1): 5.38

Flash Point: 93°C; 199.4° F

Boiling Point: 212°C; 413.6° F

Melting Point: 42°C; 107.6° F

Solubility in Water: Slightly soluble

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Excessive heat

Incompatibility (Materials to Avoid): Avoid strong oxidizers

Hazardous Decomposition or Byproducts: Forms CO and/or CO₂ upon burning

Hazardous Polymerization: Will Not Occur

Section 11: Toxicology Information

Chronic Effects on Humans: Not Available

Carcinogenic Data: None of the components of this material are listed as a carcinogen

Reproductive Toxicity: No adverse effects on reproduction are known

Inhalation: Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin Contact: Repeated or prolonged contact can cause redness, irritation and scaling of skin (Dermatitis). Adverse skin effects should be prevented by normal care and personal hygiene

Eye Contact: May irritate eyes.

Ingestion: Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting.

Medical Conditions Aggravated by Exposure: May aggravate dermatitis, psoriasis and other skin conditions.

Chronic Toxicity: May cause allergic reactions on skin

Section 12: Ecological Information

Very toxic to aquatic organism may cause long - term adverse effects in the aquatic environment. Avoid any pollution of ground, surface or underground water.

Section 13: Disposal Considerations

Waste Disposal: Do not put into sewer lines. Dispose of according to local, state and federal regulations.

Section 14: Transportation Information

DOT Classification: Not regulated as a hazardous material

IATA Shipping (Air): Not regulated as a hazardous material

RID/ADR: Not regulated as a hazardous material

IMO Shipping Description: Not regulated as a hazardous material

Class/Division: Not restricted

Proper Shipping Name: Menthol Crystals

Label: None

Packing Group: NA

ID Number: NA

Hazard: NA

Section 15: Regulatory Information

DSCL (EEC): R36/38 – Irritating to eyes and skin

HMIS (USA): Health: 2 Fire: 2 Reactivity: 0 Protection: E

WHMS (Canada): Class B

Protective Equipment: Gloves, Lab coat, Dust respirator (approved/certified), Splash Goggles

Section 16: Other Information

The information provided in this Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Wizard Labs makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material. Wizard Labs makes no warranty, expressed or implied, including (without limitation) warranties with respect to the completeness or continuing accuracy of the information contained herein or with respect to fitness for any particular use.

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