

CERTIFICATE OF ANALYSIS & SAFETY DATA SHEET

PRODUCT: Menthol Crystals Organic Raw Materiel

INCI: Menthol

COUNTRY OF ORIGIN: India

USAGE: Cosmetic use only

Physical & chemical data / Specification

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Clear white crystals	Complies
Odor	Characteristic sharp minty odor	Complies
Optical Rotation	-54° to -45°	-49.4°
Melting Point	41 °C – 44 °C	41.2 °C
Purity by GC	L-Menthol: >99%	99.7
Specific Gravity	0.891 – 0.906	0.895

COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Menthol	1490-0406 / 2216-515-5 / 89-78-1 / 15356-70-4	216-0740-4/ 218-690-9 201-939-0 / 239-388-3	100%

HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification: Skin Corrosion / Irritation - Category 2
Serious eye damage/eye irritation - Category 2B

GHS Label elements, including precautionary statements: Signal: Warning



Hazard statement(s): H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statement(s):

P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 **IF ON SKIN:** Wash with plenty of 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.
P321 Specific treatment (see section 4 on this label).
P332+P313 **If skin irritation occurs:** Get medical advice/attention. P337+P313 If eye irritation persists get medical advice/attention.
P364 And wash it before reuse.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes: Use tightly sealed goggles.

Skin: Use protective gloves (Neoprene gloves Nitrile rubber, NBR).

The glove material has to be impermeable and resistant to the product/substance/preparation. Chemical and oil resistant clothing is recommended.

Respiratory: In case of insufficient ventilation, wear suitable respiratory equipment.

FIRST AID MEASURES

Eye contact: Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

Skin contact: Immediately wash with water and soap and rinse thoroughly. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a physician.

Inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place the patient stably in side position for transportation. In case of respiratory tract irritation, consult a physician.

Ingestion: If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. **Do NOT induce vomiting.**

HANDLING AND STORAGE

Precautions for safe handling: Open and handle receptacle with care.

Ensure good ventilation/exhaustion at the workplace. Avoid contact with eyes, skin and clothing.

Wear protective gloves and eye/face protection. Wash hands before breaks and after work.

Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry, well-ventilated area away from incompatible substances. Provide acid-resistant floor. Keep in the original container.

Handle containers with care. Open slowly in order to control possible pressure release.

Store away from reactive materials and foodstuffs. Do not allow material to freeze.

Suitable Materials and Coatings: Carbon steel, Stainless steel, Polypropylene, Teflon, Aluminum, Nylon, Viton Unsuitable

Materials and Coatings: Butyl rubber, Natural rubber, Vinyl

FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, Foam, Extinguishing powder. In case of major fire and large quantities: Alcohol-resistant foam, Water spray.

Unsuitable extinguishing media: Water spray, water jet.

Special protective equipment and precautions for fire-fighters: Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products:

In case of fire, the following can be released: Carbon monoxide and Carbon dioxide

Burning produces heavy smoke.

Do not inhale explosion and combustion gases.

Resulting gases: Carbon oxides.

ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away. Avoid formation of dust. Ensure adequate ventilation.

Avoid breathing dust.

Environmental precautions: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up: Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

STABILITY AND REACTIVITY

Reactivity: Stable at ambient temperature and under normal conditions of use

Chemical stability: Chemically stable

Possibility of hazardous reactions: No dangerous reaction known.

Conditions to avoid: Excessive heat. High energy sources of ignition.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Material does not decompose at ambient temperature.

TOXICOLOGICAL INFORMATION

Acute toxicity: Oral: LD50 = 3.4 g/kg (rat)

Dermal: LD50 = >5000 mg/kg (rabbit)

Carcinogenicity: None of the components of this material are listed as a carcinogen.

IARC: Not listed as a carcinogen.

ACGIH: Not listed as a carcinogen.

NTP: Not listed as a carcinogen.

OSHA: Not listed as a carcinogen.

Mutagenicity: The substance was found to be non-mutagenic as per Ames test.

Specific target organ toxicity: No data available.

Reproductive toxicity: No adverse effects on reproduction are known.

Single exposure: No data available.

Aspiration hazard: No data available.

ECOLOGICAL INFORMATION


Ecotoxicity: EC50 (static) = 237 mg/L (activated sludge); EC50 (48hr) (static) = 26.6 g/L (Daphnia magna); EC50 (72hr) = 21.4 mg/L (Desmodesmus subspicatus); LC50 (96hr) (static) = 15.6 mg/L (Danio rerio)

Persistence and degradability: Biodegradation in water: readily biodegradable. Biodegradation in soil: According to REACH REGULATION No 1907/2006 (EC), Official Journal of the European Union, Annex IX column 2, the study does not need to be conducted as L-menthol is readily biodegradable.

Bio - accumulative potential: Not bio-accumulative

Mobility in soil: Adsorption coefficient: Koc (estimated from MCI): 88.15 L/kg; Koc (estimated from Log Kow): 149 L/kg

Émis par



Online Boutique Director's

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