

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Menthol Crystals Organic Raw Material
INCI name	:	Menthol
CAS #	:	1490-04-6 / 2216-51-5 / 89-78-1 / 15356-70-4
Country of Origin	:	India
EINECS #	:	216-074-4 / 218-690-9 / 201-939-0 / 239-388-3
Product use	:	Domestic and Industrial
Supplier	:	New Directions Aromatics Inc.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax	:	905-362-1926
Telephone number	:	905-362-1915
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. 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.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Menthol	1490-04-6 / 2216-51-5 / 89-78-1 / 15356-70-4	216-074-4 / 218-690-9 / 201-939-0 / 239-388-3	100 %

4. 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.

5. 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
Carbon dioxide

Burning produces heavy smoke.

Do not inhale explosion and combustion gases.

Resulting gases

Carbon oxides.

6. 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.

7. 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, Vinyls

8. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear white crystals.
Odor	:	Characteristic sharp minty odor.
pH	:	Neutral.
Melting Point/Freezing Point	:	41 - 44 °C (MP)
Initial b.p and boiling range	:	BP: 218.94 °C
Flash point	:	94 °C
Flammability (solid,gas)	:	Product is not flammable.
Vapor pressure	:	19 Pa @ 25°C
Relative density	:	0.85 - 0.86 g/cm ³ @ 20°C
Solubility (ies)	:	Insoluble in water. Soluble in mineral and vegetable oils.
Partition coefficient	:	3.15 log POW @ 25°C

10. STABILITY AND REACTIVITY

Reactivity

Stable at ambient temperature and under normal conditions of use.

Chemical stability

Chemically stable.

Possibility of hazardous reactions

No dangerous reactions 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.

11. 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.

12. 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 Bioaccumulative.

Mobility in soil

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

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

US DOT Shipping Description (Land)

Not regulated.

IMO-IMDG Shipping Description (Sea)

Not regulated.

IATA Shipping Description (Air)

Not regulated.

15. REGULATORY INFORMATION

DSL / NDSL

Listed.

TSCA

On TSCA inventory.

California Proposition 65

None of the components of this substance is listed under the California Prop 65.

16. OTHER INFORMATION

Revision date : July 3, 2018

Disclaimer & Caution

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