



# Safety Data Sheet

Version: 4.0 EN

Product name: Arctic ML Crystal Natural

## 1 SUBSTANCE/MIXTURE & COMPANY IDENTIFICATION

### Product identifier

Product Name Arctic ML Crystal Natural  
Product Number 771-3078

### Relevant identified use of the substance/mixture and uses advised against

Use of Substance/Mixture Flavor and fragrance agents, active cooling ingredient.

### Details of supplier of the SDS

Company O'Laughlin Corporation Limited  
Address Suite 9B, Qihua Building No. 1375  
Middle Huaihai Road, Shanghai, China  
Telephone (86-21)6433-9529  
Fax (86-21)6433-9596  
E-mail address olcorphk@hkstar.com

### Emergency telephone number

(86-21)6433-9529

## 2 HAZARD (S) IDENTIFICATION

### Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Hazardous to the aquatic environment, acute hazard, Category 3, H402

Hazardous to the aquatic environment, long-term hazard, Category 3, H412

### Labelling elements

#### Labelling according to Regulation (EC) No 1272/2008

Pictogram None

Signal word None

#### Hazard Statement

H402 - Toxic to the aquatic life.

H412 - Harmful to aquatic life with long lasting effects.

#### Precautionary statement

##### Prevention

P273 - Avoid release to the environment.

##### Disposal

P501 - Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

**Hazards Not Otherwise Classified** No information available

**Supplemental Hazard Information** No information available

## 3 COMPOSITION/INFORMATION ON INGREDIENT

Substance Name	L-Menthyl lactate
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CAS Number	59259-38-0
EC Number	261-678-3
% (w/w)	100

Remarks: The rest unspecified ingredients are impurities, and they are not hazard.

## 4 FIRST AID MEASURES

### Description of first aid measures:

- Skin contact** Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
- Eye contact** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- Ingestion** Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
- Inhalation** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

### General information

Ensure that medical personnel are aware of the materials involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### Indication of any immediate medical and special treatment needed:

No information available.

## 5 FIRE-FIGHTING MEASURES

### Flammable properties:

Flash point 128 °C

### Firefighting:

Suitable extinguishing media Use water spray, dry chemical, carbon dioxide, or appropriate foam.  
Unsuitable extinguish media Do not use a solid water stream as it may scatter and spread fire.

### Protective equipment and precautions for firefighters:

Specific hazards during firefighting Carbon oxides.  
Specific protective equipment for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighter's protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.

Specific methods Use water spray to cool unopened containers

**General fire hazards** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated



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by thermal decomposition or combustion.

## 6 ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Avoid inhalation and contact with skin and eyes. A self- container breathing apparatus is recommended in case of a major spill.
- Environmental precautions:** Keep away from drains, surface and groundwater and soil.
- Methods for cleaning up:** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## 7 STORAGE & HANDLING

- Storage:** No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage under 5 °C.
- Handling:** Avoid formation of aerosol. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure.
- Specific end use(s):** No information available.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters:

Components with workplace control parameters.

### Exposure controls:

- Appropriate engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### Personal protective equipment:

- Eye/face protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- Hand protection:** Type of gloves recommended: Butyl rubber. Minimum breakthrough time / gloves: 480 min. Minimum thickness / gloves 0.11 mm.
- Body protection:** Protective work clothing.
- Respiratory protection:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace



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	conditions warrant a respirator's use.
<b>Thermal hazards:</b>	Wear suitable protective clothing to prevent heat.
<b>Environmental exposure controls:</b>	Avoid discharge into the environment. According to local regulations, Federal and official regulations.
<b>Industrial hygiene:</b>	When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9 PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	White brick.
<b>Odor:</b>	Mild cooling odor, sweet menthol taste.
<b>Melting point:</b>	42 - 47 °C
<b>Flash point</b>	128 °C
<b>Angular Rotation</b>	-74°
<b>Congeaing Point</b>	40 °C
<b>Acid Value</b>	2.0 max.
<b>Solubility (ies)</b>	Insoluble in water, soluble in alcohol and oil.
<b>Auto ignition temperature</b>	No information available.
<b>Partition coefficient octanol/water:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10 STABILITY & REACTIVITY

<b>Reactivity:</b>	Stable under normal temperatures and pressures.
<b>Chemical stability:</b>	Stable at room temperature in closed containers under normal storage and handling conditions.
<b>Possibility of hazardous reactions:</b>	No hazardous reactions known.
<b>Conditions to avoid:</b>	Incompatible materials. Heat, sparks, flames.
<b>Incompatible materials:</b>	Strong oxidizing agents.
<b>Hazardous decomposition products:</b>	No information available

## 11 TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

<b>Inhalation</b>	May cause irritation to the respiratory system.
<b>Skin contact</b>	May be harmful in contact with skin. Causes skin irritation.
<b>Eye contact</b>	Causes serious eye irritation. Causes mild eye irritation.



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<b>Ingestion</b>	May be harmful if swallowed.
<b>Information on toxicological effects:</b>	
<b>Oral/Parenteral Toxicity</b>	Rat, LD50> 1000 mg/kg
<b>Dermal Toxicity</b>	Rabbit, LD50> 5000 mg/kg
<b>Skin corrosion/Irritation:</b>	Humans: No skin irritation.
<b>Serious eye damage/irritation:</b>	Rabbit: No eye irritation.
<b>Respiratory sensitization:</b>	Due to lack of data the classification is not possible.
<b>Skin sensitization:</b>	Humans: No sensitizing effect.
<b>Germ cell mutagenicity:</b>	No information available.
<b>Carcinogenicity</b>	
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>IARC</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>ACGIH</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>NTP</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>Reproductive toxicity:</b>	No information available
<b>Target Organ Systemic Toxicant - single exposure:</b>	No information available.
<b>Target Organ Systemic Toxicant - repeated exposure:</b>	No information available.
<b>Aspiration hazard:</b>	No information available.

## 12 ECOLOGICAL INFORMATION

<b>Eco toxicity:</b>	
<b>Crustacea - Daphnia magna</b>	EC50: 125 mg/l, 48 hours OECD 202 / ISO 6341
<b>Fish - Zebra danio</b>	LC50: 22 mg/l, 96 hours OECD 203 / ISO 7346
<b>Other - Activated sudge</b>	EC50: 650 mg/l OECD 209
<b>Persistence and degradability</b>	Readily biodegradable (OECD-classification) 100 %/28 d, Modified OECD screening test
<b>Bio accumulative potential:</b>	No information available.
<b>Mobility in soil:</b>	No information available.
<b>Results of PBT&amp;vPvB assessment:</b>	No information available.
<b>Other adverse effects:</b>	No information available.

## 13 DISPOSAL CONDITIONS



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<b>Disposal instructions</b>	Do not discharge into drains, water course or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous water code</b>	No information available.
<b>Waste from residues/unused products</b>	Empty containers or liner may retain some product residues. This material and its container must be disposed of in a safe manner.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied

## 14 TRANSPORT INFORMATION

	ADN	ADR	RID	DOT BULK	DOT NON-BULK	IATA	IMDG
<b>UN Number</b>	Not regulated.						
<b>Shipping Name</b>							
<b>Hazard Class</b>							
<b>Packing group</b>							
<b>Environmental Hazards</b>							
<b>Label required</b>							

## 15 REGULATORY INFORMATION

**US federal regulations:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazards Substance List (40 CFR 302.4)	Not listed
OSHA Specifically Regulated Substance (29 CFR 1910.1001-1050)	Not listed
SARA 302 Extremely hazardous substances	Not listed
SARA 311/312 Hazard Chemical	Not listed
SARA 313 (TRI reporting)	Not regulated

**Other federal regulations**

CAA Section 112 Hazardous Air Pollutant List	Not regulated
CAA Section 112 (r) Accidental Release Prevention (40 CFR 68.130)	Not regulated
Safe Drinking Water Act (SDWA)	Not regulated

**US State regulations**



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US. Massachusetts RTK-Substance List	Not listed
US. New Jersey Worker and Community Right-to-Know Act	Not regulated
US. Pennsylvania Worker and Community Right-to-Know Law	Not regulated
US. Rhode Island RTK	Not regulated
US. California Proposition 65	Not listed

## International Inventories

Country or region	Inventory name	On inventory (yes/no)
Australia	AICS	Yes
Canada	DSL	No
Canada	NDSL	Yes
China	IECSC	Yes
Europe	EINECS	Yes
Europe	ELINCS	No
Japan	ENCS	Yes
Korea	ECL	No
New Zealand	New Zealand Inventory	No
Philippines	PICCS	No
US and Puerto Rico	TSCA	Yes

## 16 OTHER INFORMATION

### Revision Information

Date of this version: Mar 18, 2023

Revision summary: The hazard identification of the substance is changed in Section 2. The Toxicity information and Ecological information were added in Section 11 and Section 12.

### Declaration to reader

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. O'Laughlin Corporation Limited, shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.