



LIBERTY NATURAL PRODUCTS, INC.

*The Source for the Finest
Pure and Natural Botanical Oils and Extracts*

libertynatural.com

Section 1. Product and Company Identification

Product Name: Menthol Crystals Large
Product Code: 937
Description: Menthol Crystals
Product Use: Industrial
Manufacturer: Liberty Natural Products, 20949 S Harris Rd, Oregon City, OR 97045
(800) 289-8427
Emergency Phone: Liberty Natural Products: (800) 289-8427

Section 2. Hazards Identification

Category: N/A
Signal Word: Warning
Ingestion: N/A
Health Risks: N/A
Eye Contact: H320 Causes eye irritation.
Skin Contact: H315 Causes skin irritation.
Environmental: N/A
Pictograms:



PRECAUTIONARY STATEMENT:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/eye protection/face protection.
P305 + 338 + 351 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if necessary and easy to do – continue rinsing.
P301 + 310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P302 + 352 + 332 IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
P391 Collect spillage.

Section 3. Composition and Information on Ingredients

Chemical Name: *Mentha arvensis*
Physical State: Solid.
CAS #: 2216-51-5

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Impurities:	None.
Trade Secret Claim:	None.

Section 4. First Aid Measures

Eyes:	Rinse opened eye for 15 minutes under running water. Seek medical help if necessary
Skin Contact:	Wash area well with water. Seek medical help if necessary.
Inhalation:	Remove victim to fresh air and consult a doctor if symptoms persist.
Ingestion in excess:	Administer water and call a physician.
Emergency Care:	Contact local emergency provider. For non-emergency, contact primary care provider.
PPE:	Gloves, lab coat or uniform, safety glasses, eyewash, safety shower.

Section 5. Fire-Fighting Measures

Flammability:	Flammable.
Extinguishing Media:	SUITABLE: CO ₂ , dry chemical, foam or water NON SUITABLE:
Special Fire-Fighting Procedure:	None
Unusual Fire and Explosion Hazards:	Essential and vegetable oils have the potential to self-heat and contribute to spontaneous combustion when present on fabrics. Caution should be exercised in the storage and launder of fabrics exposed to oils. Products of combustion are smoke, carbon monoxide, carbon dioxide.
PPE and Precautions for Firefighters:	Avoid vapor inhalation. Closed containers need to be cooled if exposed to heat.

Section 6. Accidental Release Measures

Personal Precautions:	Use proper personal protective equipment as indicated in section 8. Use of self-contained breathing apparatus is recommended for any major chemical spill.
Environmental Precautions:	Prevent from entering drains, sewers and water courses. If this cannot be done, advise the local authority.
Containment:	Remove all sources of ignition. Absorb with clay, sand, or other non-combustible material. Prevent entry into waterways, sewers, and confined areas.
Clean Up:	Disposal must be made according to official regulations. Transfer to a suitable container for disposal.

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Section 7. Handling and Storage

Handling Precautions:	Wash thoroughly after handling. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor). Keep container tightly closed. Avoid contact with heat and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat/open flames.
Storage Precautions:	Keep away from heat, sparks, and flame. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.
Other:	See Section 8

Section 8. Exposure Controls/Personal Protection

Engineering Controls:	Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes. An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained. Safety showers and eye wash stations should be in place.
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).
Hand Protection:	The glove material has to be impermeable.
Eye Protection:	Goggles giving complete protection to eyes. Eyewash bottle with clean water.
Skin and Body Protection:	Wear suitable protective clothing.
Ingestion:	Do not eat, drink and smoke while using.
Industrial Hygiene:	Provide ventilation of the work place to reduce concentrations of the vapor and product.
OSHA Permissible Exposure Limits (PELs):	N/A
ACGIH Threshold Limit Values:	N/A

Section 9. Physical and Chemical Properties

Appearance:	Whiteish-clear, colorless, solid crystalline
Upper/Lower Flammability:	N/A
Odor:	Characteristic of menthol, peppermint-like
Vapor Pressure:	N/A
Odor Threshold:	N/A
Vapor Density:	N/A
pH:	N/A
Relative Density:	N/A
Melting Point:	108°F / 42.2°C

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Freezing Point:	N/A
Solubility:	Slightly soluble
Initial Boiling Point and Boiling Range:	413.6°F / 212°C
Flash Point:	200°F / 93.3°C
Evaporation Rate:	N/A
Flammability Category:	Flammable
Partition Coefficient:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A
Specific Gravity:	0.8900 g/cm ³

Section 10. Stability and Reactivity

Stability:	Stable under normal circumstances. Avoid heat and ignition sources.
Avoid:	Do not leave containers open to the air. Avoid storage at elevated temperatures and sources of ignition.
Incompatibility:	Will react with oxidizing agents.
Hazardous Byproducts:	On combustion may produce smoke, carbon monoxide and carbon dioxide.
Other:	None

Section 11. Toxicological Information

Toxicological and Health Effects:	Not determined
Likely Routes of Exposure:	Eyes, nose, mouth, skin.
Signs and Symptoms of Exposure:	May cause eye and skin irritation.
LD50 (median lethal dose):	N/A
Listed NTP Carcinogen:	N/A
INGESTION:	N/A

Section 12. Ecological Information

TOXICITY:	Very toxic to aquatic organism may cause long - term adverse effects in the aquatic environment. Avoid any pollution of ground, surface or underground water.
PERSISTENCE / DEGRADABILITY:	No information available.
BIOACCUMULATION POTENTIAL:	No information available.
RESULTS OF PBT AND vPvB ASSESSMENT:	No information available.
MOBILITY IN SOIL:	No information available.
OTHER ADVERSE EFFECTS:	Do not allow product to reach ground water, water course or sewage system. Harmful to aquatic organisms. The product contains materials that are harmful to the environment.

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Section 13. Disposal Considerations

Disposal Containers:	Vapors may collect in empty containers. Rinse or evaporate thoroughly.
Waste Disposal:	Incineration or sanitary landfill in accordance with local, state, and federal regulations.
Special Considerations:	Must be specially treated adhering to official regulations.

Section 14. Transport Information

UN Number:	N/A
UN Shipping Name:	N/A
Transport Hazard Class:	N/A
Packing Group Number:	N/A
Stowage and Handling:	N/A

Section 15. Regulatory Information

Product Regulations:	N/A
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Section 16. Other Information

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The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.

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