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LIBERTY NATURAL PRODUCTS, INC.

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

Section 1. Product and Company Identification

Product Name: Menthol Crystals Small
Product Code: 95
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: Danger
Ingestion: N/A
Health Risks: H335 May cause respiratory irritation
Eye Contact: H318 Causes serious eye damage
Skin Contact: H315 Causes skin irritation
Environmental: H412 Harmful to aquatic life with long-lasting effects

Pictograms:



PRECAUTIONARY STATEMENT:

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.

Section 3. Composition and Information on Ingredients

Chemical Name: *Mentha Arvensis*
Physical State: Liquid.
CAS#: 2216-51-5
Formula: C₁₀H₂₀O
Impurities: None.
Trade Secret Claim: None.

Section 4. First Aid Measures

Eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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| Skin Contact: | Remove contaminated clothing and immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor. |
| Inhalation: | Supply fresh air and consult a doctor if symptoms persist. |
| Ingestion in excess: | Drink copious amounts of water and provide fresh air. Immediately call a doctor. Do not induce vomiting. |
| 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

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| Flammability: | Flammable. |
| Extinguishing Media: | SUITABLE: Carbon Dioxide, dry chemical or foam. NON SUITABLE: Water. |
| 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: | DO NOT USE water extinguishers. Avoid vapor inhalation. Closed containers need to be cooled if exposed to heat. |

Section 6. Accidental Release Measures

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| Personal Precautions: | Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8. |
| Environmental Precautions: | Prevent from entering drains, sewers and water courses. If this cannot be done, advise the local authority. |
| Containment: | 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. |

Section 7. Handling and Storage

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| Handling Precautions: | 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 Precautions: | 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". |
| Other: | See Section 8 |

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Section 8. Exposure Controls/Personal Protection

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| 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. |
| 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

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| Appearance: | Whitish to clear 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: | 111.2°F / 44°C |
| Freezing Point: | N/A |
| Solubility: | Slightly soluble |
| Initial Boiling Point and Boiling Range: | N/A |
| Flash Point: | 199.4°F / 93°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: | 0.89 g/cm ³ |

Section 10. Stability and Reactivity

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| 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. |

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Other: None

Section 11. Toxicological Information

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| 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

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| 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. |

Section 13. Disposal Considerations

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| Disposal Containers: | Vapors may collect in empty containers. Rinse or evaporate thoroughly. |
| Waste Disposal: | N/A |
| Special Considerations: | Must be specially treated adhering to official regulations. |

Section 14. Transport Information

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| 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

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| Product Regulations: | N/A |
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Section 16. Other Information

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| Last Revised: | 1/6/2021 | Initial of Editor: SAM |
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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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