



Safety Data Sheet: Allivex 4oz. Organic Menthol Crystals

Revision Date: 07/16/18

Section 1: Identification

- Product Name:
 - Allivex 4oz. Organic Menthol Crystals
- Synonyms:
 - Hexahydrothymol; (1alpha,2beta,5alpha)-5- Methyl-2-(1-methylethyl)cyclohexanol
- Chemical Family:
 - Crystalization
- Restrictions on Use:
 - None
- Manufacturer: USA Diagnostix LLC
- Address: 30250 Rancho Viejo Road San Juan Capistrano, CA 92675
- Phone: 619-378-7771 (Hours: 8:00 a.m. – 5:00 p.m. Pacific)
- Emergency: 949-241-7610

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and use of the product. This SDS should be retained and available for employees and other users of the product.

Section 2: Hazard(s) Identification

- Emergency Overview:
 - Physical Appearance: Crystals
 - NFPA: Health = 2, Flammability = 2, Reactivity = 0
 - Signal word: N/A
- Potential Acute Health Effects:
- Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).
- Potential Chronic Health Effects:
 - CARCINOGENIC EFFECTS: Not available.
 - MUTAGENIC EFFECTS: Not available.
 - TERATOGENIC EFFECTS: Not available.
 - DEVELOPMENTAL TOXICITY: Not available.
 - Repeated or prolonged exposure is not known to aggravate medical condition.

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- Hazard statements:
 - May Cause Minor Skin Irritation
 - May Cause Minor Eye Irritation
- Pictograms: N/A
- Precautionary statements.
 - Wash hands thoroughly after handling.
 - If in eyes, immediately flush with clean water for 15 minutes or until relief is achieved. Remove contact lenses if present and continue rinsing
 - If irritation persists, seek medical attention
 - CAUTION:
 - CAUSES MILD EYE IRRITATION.
 - CAUSES MILD SKIN IRRITATION.
 - Hazard Overview
 - Primary Route(s) of Exposure: Eyes. Skin.
 - Chronic Health Hazards: None known
 - Signs and Symptoms of Overexposure
 - Eye Contact: Causes mild eye irritation.
 - Skin Contact: Causes mild skin irritation.
 - Ingestion:
 - Not a hazard under normal use conditions.
 - Inhalation:
 - Not a hazard under normal use conditions.

Section 3: Composition/Information on Ingredients

| Name | CAS # | % by Weight |
|------------|-----------|-------------|
| Menthol, L | 2216-51-5 | 100% |

Toxicological Data on Ingredients: Menthol, L: ORAL (LD50): Acute: 3300 mg/kg [Rat]. 3400 mg/kg [Mouse]. 800 mg/kg [Cat]. DERMAL (LD50): Acute: 5001 mg/kg [Rabbit].

Section 4: First-Aid Measures

- Inhalation:
 - N/A No specific treatment is necessary since material is not likely to be hazardous by inhalation. If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.
- Eye Contact:
 - Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists. Do not use an eye ointment.
- Skin Irritation:
 - Immediately wash with soap and plenty of water. Remove contaminated clothing and launder before reuse. Get medical attention if symptoms occur.
- Ingestion:
 - Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

Section 5: Fire-Fighting Measures

- Flammability of the Product: May be combustible at high temperature.
- Auto-Ignition Temperature: Not available.
- Flash Points: CLOSED CUP: 93°C (199.4°F).
- Flammable Limits: Not available.
- Products of Combustion: These products are carbon oxides (CO, CO₂).
- Fire Hazards in Presence of Various Substances: Not available.
- Explosion Hazards in Presence of Various Substances:
 - Risks of explosion of the product in presence of mechanical impact: Not available.
 - Risks of explosion of the product in presence of static discharge: Not available.



- Fire Fighting Media and Instructions:
 - SMALL FIRE: Use DRY chemical powder.
 - LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
- Special Remarks on Fire Hazards: Not available.
- Special Remarks on Explosion Hazards: Not available

Section 6: Accidental Release Measures

- Small Spill:
 - Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- Large Spill:
 - Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
- Use of Personal Precautions:
 - Contain spilled materials, avoid inhalation of vapors. Ventilate spill areas
- Emergency Procedures:
 - No special requirements
- Methods for Containment:
 - Contain spill and collect with inert, non-combustible absorbent material. Disposal of spilled material and spill debris should be in accordance with all applicable local, state, and federal regulations.
- Handling:
 - Avoid contact with skin and eyes. Wash thoroughly with soap and water after handling. May produce sensitization to damaged exposed skin Wear appropriate PPE.

Section 7: Handling and Storage

- Precautions:
- Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

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- Storage:
 - Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.
- Precautions for Safe Handling:
 - Wash hands after handling product and keep product out of eyes.
- Recommendations on Safe Storage:
 - Store in a cool well-ventilated place. Keep cool, keep container tightly closed when not in use

Section 8: Exposure Controls/Personal Protection

- Engineering Controls:
 - Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- Personal Protection:
 - Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
- Personal Protection in Case of a Large Spill: Splash goggles.
 - Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
- OSHA Permissible Exposure Limits (PELs); None Required
- Respiratory Protection:
 - Use in a well ventilated area

Section 9: Physical and Chemical Properties

- Physical state and appearance: Solid.
- Odor: Not available.
- Taste: Not available.
- Molecular Weight: 156.3 g/mole
- Color: Not available.
- pH (1% soln/water): Not applicable.
- Boiling Point: 212°C (413.6°F)
- Melting Point: 42°C (107.6°F)
- Critical Temperature: Not available.
- Specific Gravity: 0.89 (Water = 1)
- Vapor Pressure: Not applicable.
- Vapor Density: 5.38 (Air = 1)
- Volatility: Not available.
- Odor Threshold: Not available.
- Water/Oil Dist. Coeff.: Not available.
- Ionicity (in Water): Not available.
- Dispersion Properties: Not available.
- Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity

- Stability: The product is stable under ordinary conditions of use and storage
- Instability Temperature: Not available.
- Conditions of Instability: Not available.
- Incompatibility with various substances: Not available.
- Corrosivity: Non-corrosive in presence of glass.
- Special Remarks on Reactivity: Not available.
- Special Remarks on Corrosivity: Not available.
- Polymerization: No

Section 11: Toxicological Information

- Routes of Entry: Eye contact. Inhalation. Ingestion.
- Toxicity to Animals: Acute oral toxicity (LD50): 800 mg/kg [Cat].
- Acute dermal toxicity (LD50): 5001 mg/kg [Rabbit].
- Chronic Effects on Humans: Not available.
- Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).



- Special Remarks on Toxicity to Animals: Not available.
- Special Remarks on Chronic Effects on Humans: Not available.
- Special Remarks on other Toxic Effects on Humans: Not available.
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Section 12: Ecological Information (non-mandatory)

- Ecotoxicity: Not available.
- BOD5 and COD: Not available.
- Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
- Toxicity of the Products of Biodegradation: The products of degradation are more toxic.
- Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations (non-mandatory)

- Disposal of Waste Method:
 - Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

Section 14: Transport Information (non-mandatory)

- DOT Classification: Not a DOT controlled material (United States).
- Identification: Not applicable.
- Special Provisions for Transport: Not applicable

Section 15: Regulatory Information (non-mandatory):

- Federal and State Regulations: TSCA 8(b) inventory: Menthol, L
- Other Regulations: Not available.
- Other Classifications: WHMIS (Canada): CLASS D-2B: Material causing other toxic effects (TOXIC).
- DSCL (EEC): R36/38- Irritating to eyes and skin.
- HMIS (U.S.A.):
 - Health Hazard: 2
 - Fire Hazard: 2

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- Reactivity: 0
- Personal Protection: E
- National Fire Protection Association (U.S.A.):
 - Health: 2
 - Flammability: 2
 - Reactivity: 0
- Specific hazard: None
- Protective Equipment:
 - Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

- Canadian Regulatory Information:
 - DSL List: All components of this product comply with registration requirements.

- European Economic Community Information for Constituents: Not Applicable

- EU Labeling and Classification According to Directive 1999/45/EC: This product meets the definition of the following hazard class as defined by the European Economic Community Guidelines.
 - EU Classification: not applicable
 - EU Risk Phrases: not applicable
 - EU Safety Phrases: not applicable
 - EU Symbols: None

- Japanese Information:
 - Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.
 - Japanese ENCS Inventory: The components of this product are on the ENCS Inventory if required.
 - Poisonous and Deleterious Substances Control Law: No component of this product is a listed poisonous, deleterious, or specified poisonous substance under the Poisonous and Deleterious Substances Control Law.
- Other International Chemical Inventories:
 - China Inventory of Existing Chemical Substances (IECSC): The components of this product are on the IECSC if required.



- Korean Existing Chemicals List (KECL): The components of this product are on the KECL if required.
- Philippines Inventory of Chemicals and Chemical Substances (PICCS): The components of this product are on the PICCS if required.

Section 16: Other Information

The information contained in this SDS is presented in good faith and believed to be accurate based on the information provided. The SDS does not purport to be all inclusive, and shall be used only as a guide.

While USA Diagnostix LLC. Believes that the data contained herein complies with 29 CFR 1910.1200, they are not to be taken as a warranty or representation for which USA Diagnostix LLC. Assumes legal responsibility. USA Diagnostix LLC. shall not be held liable or accountable for any loss or damage associated with the use of this material and information. The recommended industrial hygiene and safe use, handling, storage, and disposal procedures are believed to be generally applicable. However, since the use, handling, storage, and disposal are beyond USA Diagnostix LLC control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability of loss, damage, or expense arising out of the material's improper use.