



# SAFETY DATA SHEET

**KleanTerpenes.com**

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**Emergency Phone Number: 1-800-222-1222**

## Section 1. Chemical Identification

### Lemon-Lime Terpenes

## Section 2. Composition/Information of Ingredients

**CAS#:** 8028-48-6

## Section 3. First-Aid Measures

**Eye Contact Aid:** Flush immediately with cold clean water for at least 15 minutes, contact a physician immediately.

**Skin Contact Aid:** Thoroughly wash the affected area with soap and water. Flush with large quantities of water. If irritation persists, call a physician.

**Inhalation Aid:** Remove individual to fresh air, contact physician if necessary.

**Ingestion Aid:** Administer water or milk to dilute. Contact a physician or local poison control center immediately.

## Section 4. Fire Fighting Measures

**Extinguishing Media:** Carbon Dioxide; Foam; Dry Chemical

**Special Fire Fighting Procedures:** Wear protective clothing to prevent contact with skin and eyes.

**Unusual Fire and Explosive Hazards:** Not Established

## Section 5. Accidental Release Measures

**Procedure:** Remove any source of flame or sparks. If in a confined area, NIOSH approved respiratory protection may be required. Remove individuals from if they do not have respiratory/dust protection. Spray material with water to prevent dusting and remove to an approved disposal container. Follow federal, State and Local procedures for cleaning up of powder. Dispose of in accordance with current laws and regulations.

## Section 6. Handling and Storage

**Storage/Handling:** Avoid breathing vapors. Avoid contact with skin, eyes and clothing. Store in containers fully sealed in a cool, dry, ventilated place away from light & sources of ignition. Before opening and handling this flavor/fragrance, consult your workplace safety officer and MSDS.

## Section 7. Exposure Controls/Personal Protection

**Eyes:** The use of goggles or a face shield is recommended.

**Respiratory:** Respiratory protection is normally not required in well ventilated areas. However, NOISH approved respiratory protection may be required when the material is rated toxic by inhalation or if the material is to be used in a confined area.

**Procedure:** Remove any source of flame or sparks. If in a confined area, NIOSH approved respiratory protection may be required. Remove individuals from the area, if they do not have respiratory/dust protection. Spray material with water to prevent dusting and remove to an approved disposal container. Follow Federal, State and Local procedures for cleaning up of powder. Dispose of in accordance with current laws and regulations.

**Other Protective Devices:** Chemical resistant gloves are recommended (i.e. Nitrile gloves).

**Ventilation:** Ventilation meeting ACGIH Standards should be employed.

**Work/Hygienic Practices:** Use good personal hygiene practices; Limit exposure to product, whenever possible.

## Section 8. Physical and Chemical Properties

**Appearance and Odor:** Pale Yellow with lemon & lime odors

**Vapor Pressure:** 2 mm Hg

**Refractive Index:** 1.468 – 1.478

**Soluble in Water:** Insoluble

**Flash Point:** 115°F

**Specific Density:** .846

**Boiling Point:** 170°C

**Percent Volatile by Volume:** 95

**Flammability (solid, gas):** NA

**Auto flammability:** NA

**Explosive Properties:** NA

**Oxidizing Properties:** NA

## Section 9. Stability and Reactivity

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** None

**Incompatibility (material to avoid):** Strong oxidizing agents

**Stability:** Stable under normal conditions

## Section 10. Toxicological Information

**Acute Toxicity Estimates:** Not available

**Irritation/Corrosion:** Not available

**Skin Contact:** May include irritation & redness

**Eye Contact:** Irritation, watering & redness  
**Long term exposure:** No adverse effects

**Section 11. Ecological Information**

**Aquatic Life:** Toxic to aquatics and plants.

**Biodegradable:** Yes

**Section 12. Transport Information**

**Proper Shipping Name:** TERPENE HYDROCARBONS (LEMON-LIME)  
**Air Shipping (IATA):** Per requirements of Flammable Liquids  
**Ground Shipping (USDOT):** Hazardous  
**Ocean Shipping (IMDG):** Hazardous

**Section 13. Other Information**

**Hazardous Materials Identification System**

**Health: 1**                      **Flammability: 3**                      **Reactivity: 2**  
4-Extreme                      3-High                      2-Moderate                      1-Slight                      0-No Significant Hazard

**Section 14. Regulatory**

This substance contains no material subject to the reporting requirements of Superfund Amendments and Reauthorization Act of 1986 Title III, Section 313.

**Section 15. Conclusion**

The information contained herein is based on data considered accurate and reliable. However, the data is provided without any warranty, expressed or implied regarding its correctness or accuracy. It is the users responsibility both to determine safe conditions for use of this product, and to assume liability for loss, injury, damage, or expense resulting from the improper use of this product.

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