



# MATERIAL SAFETY DATA SHEET

**KleanTerpenes.com**

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## Section 1. Chemical Identification

### Lemon Terpenes

## Section 2. Composition/Information of Ingredients

**CAS#:** 68917-33-9  
**Weight%:** 100

## 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:** Colorless to slight pale yellow

**Boiling Point (Deg C):** NA

**Melting Point (Deg C):** NA

**Vapor Density:** NA

**Vapor Pressure:** NA

**Specific Gravity** 0.84

**Refractive Index:** 1.4582 – 1.4592

**Solubility:** Insoluble

**Flash Point:** 48°C

**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

**Materials and/or Conditions to avoid:** Avoid heat, flames & sparks

**Stability:** Stable under normal conditions

## Section 10. Toxicological Information

**Acute Toxicity Data:**

Oral 4400 mg/kg	None Established
Dermal >5000 mg/kg	None Established
Inhalation LC50:	None Established

**Health Hazards (Acute and Chronic):**

**Ingestion of large quantities:** None Established  
**Inhalation:** None Established  
**Skin Contact:** Liquid May be Irritating  
**Eye Contact:** Liquid May be Irritating

**Note:** *The above effects are based on evaluation of individual components; the relevancy to the mixture as a whole or to humans is unknown.*

**Other Effects:** None Established

**Section 11. Ecological Information**

**Aquatic toxicity:** Very toxic to aquatic organisms and to the aquatic environment. Potential for both acute and chronic effects

**Degradation / Mobility info:** No specific data available. Contained solvents are expected to degrade rapidly in the environment.

**Bioaccumulative potential:** No specific data available.

**Section 12. Transport Information**

**Proper Shipping Name:** TERPENE HYDROCARBONS (LEMON TERPENES)  
**Air Shipping (IATA):** No regulation  
**Ground Shipping (USDOT):** No regulation  
**Ocean Shipping (IMDG):** No regulation

**Section 13. Other Information**

**Hazardous Materials Identification System**

**Health: 1**                      **Flammability: 3**                      **Reactivity: 1**  
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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