

1: Identification of the Substance/Preparation and of the Company

| | | |
|------------------------|--|-------------------------|
| Product Name: | d-Limonene | |
| Product Code: | d-Limonene | Alliance Chemical, LLC |
| Recommended Use: | Flavoring | 204 South Edmond St |
| Emergency Telephone #: | CHEMTEL - 1-800-255-3924 (24 Hours/Day, 7 Days/Week) | Taylor, TX 76574 Phone: |
| | | +1 5123656838 |

Section 2: Hazards Identification

Classification:

| | |
|------------------|-------------------|
| Flam Liq - Cat 3 | Asp Haz - Cat 1 |
| Skin Irr - Cat 2 | Skin Sens - Cat 1 |
| Eye Irr - Cat 2B | Env Haz - Cat 1 |

Signal Word: Danger



Precautionary Statements:

P210: Keep away from heat/sparks/open flames/hot surface - No smoking
 P241: Use explosion-proof electrical/ventilating/lighting/equipment
 P333 + P313: If skin irritation occurs: Get medical advice/attention
 P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
 P208: Wash...thoroughly after handling
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P301 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 P403 + P235: Store in a well-ventilated place - Keep cool

Hazard Statement:

H226: Flammable liquid and vapour
 H303: May be harmful if swallowed
 H304: May be fatal if swallowed and enters airways
 H315: Causes skin irritation
 H317: May cause an allergic skin reaction
 H320: Causes eye irritation
 H400: Very toxic to aquatic life
 H410: Very toxic to aquatic life with long lasting effects

Section 3: Composition/Information on Ingredients

Synonym: Citrus sinensis; Orange Terpenes
 CAS #: 8008-57-9; 68647-72-3

Section 4: First-Aid Measures

Eye Contact: Flush immediately with water for at least 15 minutes. Seek medical treatment as necessary.
 Skin Contact: Remove any contaminated clothing. Wash affected area with soap and water. Seek medical treatment as necessary.
 Ingestion: Seek medical treatment as necessary.

Section 5: Fire-Fighting Measures

Extinguishing Media: Carbon Dioxide, Foam, Chemical

Special Fire Fighting Procedures: Vapors may be irritating to eyes and respiratory tract

Section 6: Accidental Release Measures

Avoid eye contact. Follow good manufacturing practices. Spills should be cleaned up immediately using suitable absorbent material and properly disposed of in accordance with current applicable laws and regulations.

Section 7: Handling and Storage

Eliminate all ignition sources

Section 8: Exposure Controls/Personal Protection

Respiratory Protection: None generally required

Personal Protection: Safety glasses and protective gloves recommended

Ventilation: Local exhaust

Exposure Limits: Not available

Section 9: Physical and Chemical Properties

Flash Point (cc) F 122 Flash Point (cc) C 46 Specific Gravity (WATER = 1) 0.840

Vapor Pressure (mm Hg) n/a Melting Point n/a

Vapor Density (AIR = 1) n/a Evaporation Rate (Butyl Acetate = 1) n/a

Solubility in Water Insoluble

Appearance and Odor Clear Liquid, Orange Terpenic Odor

Section 10: Stability and Reactivity

Stability: Chemically

Hazardous Decomposition or Byproducts: Carbon monoxides is a product of incomplete combustion

Conditions to Avoid: Keep away from ignition source

Section 11: Toxicological Information

Route(s) of Entry: Inhalation: Skin: Ingestion:

Health Hazards (Acute and Chronic): Eye and skin irritant

[This product is not classified as a carcinogen by OSHA, IARC, ACGIH or NTP. This product has not been shown to produce genetic changes when tested on bacterial or animal cells].

Section 12: Ecological Information

[Ecotoxicity: There is no information available at this time for this product]

Section 13: Disposal Considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

UN CODE 2319 Packing Group III Hazard Class 3

Proper Shipping Name: Terpene Hydrocarbons, n.o.s. (d-limonene)

US DOT - Exception 173.150 Section F

Section 15: Regulatory Information

FEMA # 4850
EINECS # 232-433-8
FDA # 182.2

Section 16: Other Information

Creation Date 5/20/2014 Revision Date 03/22/2021

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