

MATERIAL SAFETY DATA SHEET

January 5, 2009

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: Orange Solvent **CHEMICAL NAME:** Orange Terpenes **CAS No.:** 68647-72-3
MANUFACTURER: Reliance Dental Mfg., Co., 5805 W. 117th Place, P.O. Box 38, Worth, IL 60482
TELEPHONE: For Product Information: 708-597-6694 For Medical Information: 800-535-5053

SECTION II - PHYSICAL DATA

Odor, Appearance, and Physical State: Colorless to pale yellow liquid with a strong orange odor. **Specific Gravity (Water =1.0) @ 25 C:** 0.84. **Boiling Point:** 310°F **Vapor Pressure:** 1.9 mm Hg @ 20 C **Vapor Density (air=1):** .012 **% Volatile by Vol.:** 99
Solubility in H₂O: Less than 0.1%

SECTION III: FIRE EXPLOSIVE & REACTIVITY

Flash Point (Method): 118°F (Closed Cap) **Dot Hazard Classification:** Combustible Liquid **Extinguishing Media:** CO₂, Foam, Chemical. **Special Firefighting Procedures:** Closed containers exposed to heat but not burning could be suitable cooled with water. **Unusual Fire and Explosion Hazards:** Burns with intense heat. **Hazardous Combustible or Decomposition Products:** Carbon Monoxide is a product of incomplete combustion. **Lower Explosive Limit (LEL),% by vol. = 0.7 @ 302 F Upper Explosive Limit (UEL), % by vol. = 6.1 @ 503°F Stability:** Stable under most conditions. **Autoignition Temperatures:** 458°F **Conditions to Avoid:** Excessive heat. **Materials to Avoid:** Strong oxidizing agents, strong acidic agents; reacts explosively with Iodine Pentafluoroethylene. **Hazardous Polymerization Products:** None.

SECTION IV - PROTECTION INFORMATION

Respiratory: Should be worn to prevent breathing spray mists or heated fumes. **Ventilation:** Local exhaust recommended. **Eye:** Glasses or goggles which are chemically resistant. **Skin:** Chemical resistant rubber or plastic gloves. **Other Protective Devices:** As required to prevent wetting of skin or clothes.

SECTION V: OCCUPATIONAL EXPOSURE LIMIT

Threshold Limit Value (TLV): LPR-Mus TD : 4800 mg/kg/8W-1: ETA ORL-Mus TD : 67 gm/kg/39W-1: ETA

SECTION VI: HEALTH HAZARD INFORMATION

Health Hazard Determination: **Hazardous Components:** Terpene Hydrocarbons **OSHA PEL:** Not Est. **ACGIH TLV:** Not Est. All ingredients are listed either on the GRAS or as an approved substance for use either as an indirect food additive or for use in the manufacture of metal food containers as described in the code of Federal Regulations, Title 21, Part 178, Section 3400 or Section 3910. None of the ingredients contained in the product are listed in the Threshold Limit Values and Biological Exposure Indices compiled by the American Conference of Governmental Industrial Hygienists (ACGIH)

SECTION VII: DOT SHIPPING INFORMATION

Classification: Combustible Liquid. N.O.S. **Proper Shipping Name:** Combustible Liquid N.O.S. **Identification Number:** NA 1983
Packaging Group: III **Technical Name:** d-limonene **HMIS: H = 1, F = 2, R = 0**

SECTION VIII: EMERGENCY AND FIRST AID PROCEDURES

Inhalation Exposure: Remove person to a ventilated area. **Eye Contact:** Rinse with copious amounts of water, call a physician if necessary. **Skin Contact:** Wash with soap and water, if irritation persists, call a physician. **Other:** For small amount, drink large quantities of water or milk. For larger amounts seek the advice of a physician.

SECTION IX: SPILL, LEAK, AND DISPOSAL PROCEDURES

Precautions if material is spilled or released: Small spills - wipe up materials with paper rags and dispose of in closed metal wastecontainer. Large spills - use non-flammable absorbent, keep from flame or spark. **Waste Disposal Methods:** Follow local, state, and federal laws to dispose of contaminated waste materials. Handle through EPA spill control plan: VIA Land fill. Dilution and sprayfield application and/or incineration.

SECTION X: HANDLING AND STORAGE PROCEDURES

Keep away from heat, acids, and oxidizing agents. Store in tightly sealed, preferably full containers.