

MATERIAL SAFETY DATA SHEET

January 5, 2009

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: DuraGlaze **CHEMICAL NAME:** DuraGlaze; Thinner & Glaze
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 - HAZARDOUS INGREDIENTS

Components Material: Methyl Ethyl Ketone **CAS NUMBER:** 78-93-3 **%:** >70
PEL (OSHA): 200 ppm **TLV (ACGIH):** 200 ppm
Transportation information (DOT): I.D. #: UN1993; **Hazard Class** Flammable liquid, nos (ORM-D Consumer commodity); **HMIS:** H = 2, F = 3, R = 0

SECTION III - PHYSICAL DATA

Color: Clear, colorless **Odor:** Sweet, sharp odor **Boiling Point:** 80°C /176°F initial **Melting or Freezing Point:** -86°C / -123°F
Vapor Pressure: 70 est. 20°C/68°F **Viscosity:** 80 cps max. **Evaporation Rate (Butyl Acetate =1):** Greater than 115.5 deg. C
Solubility in Water: Slightly, as dry film **Vapor Density (Air 1):** Greater than 1 **% Volatile (by weight):** >80 **Specific Gravity (water=1):** 0.95

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point: 4°C / 25°F SFCC **Flammable Limits in air, % by Volume:** Lower Limit - 2.0 est. Upper Limit - 12.0 est.
Autoignition Temperature: 516°C / 961°F **Extinguishing Media:** "Alcohol" Foam, Dry Chemical, CO₂, Water spray. **Special Fire Fighting Procedures:** Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH - approved or equivalent) and full protective gear. Use water spray to cool containers. **Unusual Fire and Explosion Hazards:** Vapors can travel to a source of ignition and flash back. Materials can form explosive vapors with air.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: May aggravate pre-existing conditions of lung and skin disorders. **Eye Contact:** Substance can cause irritation and transient corneal injury. **Ingestion:** Excessive quantities may cause irritation of digestive tract; signs of nervous system depression (drowsiness, dizziness). **Inhalation:** Solvent vapor or mist can cause headache, nausea, dizziness, incoordination, stupor and irritation of the nose, throat and lungs. **Skin Contact:** Irritating to skin upon repeated or prolonged contact. **Delayed Effects:** Repeated overexposure to methyl ethyl ketone can cause central nervous system effects. **Primary Routes of Entry:** Oral, Dermal, Inhalation

FIRST AID: **Inhalation** - If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. **Skin Contact** - In case of contact, immediately wash skin with soap and water. May cause drying and cracking of skin. Wash contaminated clothing before reuse. **Eye Contact** - In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation persists. May cause burning, tearing, redness and swelling of eyes. **Ingestion** - Seek medical attention! If victim is drowsy or unconscious, place on the left side with head down. Do not give anything by mouth. If victim is conscious and alert, give no more than 2 glasses of water and induce vomiting (30cc or 2 tbsp of syrup of ipecac or stick finger in person's throat). Reduce above by half for child. Keep victim's head below hips.

SECTION VI - REACTIVITY DATA

Stability - Stable. **Conditions to Avoid:** NA **Hazardous Decomposition Products:** NA **Hazardous Polymerization:** will not occur. **Incompatibility (Materials to Avoid):** strong oxidizers.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIALS IS RELEASED OR SPILLED: Keep spectators away. Eliminate ignition sources. Wear respirator (pressure-demand, self-contained breathing apparatus, MSHA/NIOSH- approved or equivalent) or air mask for large spills in confined area. Contain spill with inert materials (e.g., sand, earth). Transfer liquid to containers for recovery or disposal and solid diking materials to separate containers for disposal. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. Small spills, clean with paper towels and dispose of properly or remove to out of doors to allow vapors to evaporate. Caution: Some floors may become slippery until area has dried. Note: Spills on porous surfaces can contaminate groundwater. **Waste Disposal Method:** When discarded this materials is a hazardous waste. RCRA #D-001 (ignitable); reportable quantity 100 lbs.,(40 CFR 302). Incinerate liquid and contaminated diking materials, in accordance with local, state, and federal regulations. For small quantities, clean with paper towels and allow solvent to evaporate in well-ventilated area. Do not dump into sewers, on the ground or into water.

SECTION VIII: SPECIAL PROTECTION INFORMATION

Eye/Face Protection: Chemical splash goggles (ANSI Z-87.1 or approved equivalent). **Respirators:** None is required if good ventilation is maintained. Otherwise, wear a self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent).

Protective Gloves: Impervious.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Limit storage of flammable materials to approved areas. Ground all containers when transferring material. Keep away from heat, sparks, open flame, direct sunlight, and elevated temperatures. Close containers after each use. Periodically clean neck of bottle of resinous build-up to maintain proper seal. Do not smoke when using.