

MATERIAL SAFETY DATA SHEET



2100 N. Wilkinson Way
Perrysburg, Ohio 43551

I. Product Information

Product Name: **GR-653LPP**
Synonyms: Glass Resin Liquid, Primerless Hardcoat
Chemical Family: Silicone
Chemical Formula: Mixture
CAS Number:
DOT Shipping I.D. Number: UN 1866
DOT Shipping Name: Resin Solution
DOT Hazard Class: 3, Flammable Liquid
EPA Hazardous Waste ID Number: F003

II. Chemical Ingredients

(*) Listed under Section 313 of Title III (SARA)

<u>Name & Percentage</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
(*) n-Butyl Alcohol 25-45%	50 ppm (Ceiling)	50 ppm Ceiling
(*) Methyl Alcohol 10-30%	200 ppm 250 ppm STEL	200 ppm 250 ppm STEL
Formic Acid 0.6%	9 mg/M3	9 mg/M3
Methyl Amyl Ketone 0.8%	50 ppm	50 ppm
(Propylene Glycol Monomethyl Ether 1-2%	150 STEL	150 STEL

STEL = Short term exposure limit.

TLV and PEL are listed as time weighted averages (TWA)
unless otherwise noted.

III. Physical Properties

Boiling Point: 122°F
Melting Point: Not Available
Vapor Pressure (mmHg @ 25°C): 58 (Estimate)
Solubility in Water: Approximately 10%
Vapor Density (Air = 1): > 1
Specific Gravity: < 1
Percent Volatile by Volume: 79
pH: Neutral
Appearance & Odor: Clear liquid with slight color. Vinous odor.

GR-653LPP

IV. Reactivity Data

Reactivity: Stable

Incompatible Materials: Strong oxidizing agents, concentrated mineral acids, hydrofluoric acid.

Hazardous Decomposition Products: Oxides of carbon, silicon dioxide, water

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Sources of ignition, contact or storage with incompatible materials.

V. Fire And Explosion Data

Flash Point: 78°F

Lower Explosive Limit: 5.1% (Estimate)

Upper Explosive Limit: 32% (Estimate)

Extinguishing Media: Foam, dry chemical, CO2.

Special Firefighting Procedures: Wear pressure demand self-contained breathing apparatus in conjunction with appropriate personal protective equipment.

Unusual Fire and Explosion Hazards: This material is a flammable liquid and a dangerous fire hazard when exposed to heat or flame.

VI. Health Hazard Information

Primary Routes of Exposure: Inhalation, skin contact.

Signs and Symptoms of Overexposure: Depression, drowsiness, impaired vision, ataxia, stupor.

Medical Conditions Aggravated by Exposure: Prolonged or repeated exposure may aggravate pre-existing skin, central nervous system, liver, kidney and/or intestinal tract conditions.

Listing as a Carcinogen: This material is not listed as a carcinogen by the NTP, IARC, or OSHA.

VII. Emergency First Aid Procedures

Inhalation: Remove to fresh air. Seek medical attention.

Ingestion: Consult physician. Gastric lavage may be necessary.

Eye Contact: Immediately flush eyes for 15 minutes with large amounts of water, occasionally lifting upper and lower lids. If irritation persists, seek medical attention.

Skin Contact: Wash the affected area with soap and water. Seek medical attention if irritation persists.

VIII. Control Measures

Engineering Controls: General ventilation recommended under normal conditions of use.

Work/Hygiene Practices: Avoid inhalation of vapors. If necessary, wear NIOSH/MSHA approved respiratory protection for organic vapors.

Personal Protective Equipment:

Respiratory Protection: If necessary, wear NIOSH/MSHA approved respiratory protection for organic vapors.

Eye/Face Protection: Recommended.

Skin Protection: Recommended to prevent skin irritation.

IX. Storage and Disposal Information

Handling and Storage Precautions: Store in a cool, dry location away from oxidizing agents and combustible materials. Eliminate ignition sources.

Spill or Leak Procedures: Clean up spilled material into a closed container.

Disposal Methods: Dispose of in accordance with local, state, or federal regulations.

X. Manufacturer/Supplier Information

Prepared by: T. L. Richardson
Date: July 1, 1998
Revised: June 16, 2006
24-Hour Emergency Telephone Number: (800) 424-9300
General Information Number: (419) 873-2120
Manufacturer's Contact: W.J. Blessing
CHEMTREC: (U.S.) (800) 424-9300
(Int'l) (703) 527-3887