

## SECTION I - PRODUCT IDENTIFICATION

Product Name: **GR219, GR219-L THIN RESIN**

Revision: 02/28/02

## SECTION II - HAZARDOUS INGREDIENTS & OTHER COMPONENTS

<b>INGREDIENT CHEMICAL NAME</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>OTHER LIMITS RECOMMENDED</b>	<b>CAS NUMBER</b>
High Boiling Methacrylate	N/A	N/A	N/A	Proprietary
Photoinitiator	N/A	N/A	N/A	947-19-3
Polyurethane Oligomer	N/A	N/A	N/A	Proprietary
High Boiling Acrylate	N/A	N/A	N/A	Proprietary
High Boiling (Meth) Acrylate	N/A	N/A	N/A	Proprietary
Acrylic Acid	N/A	2 ppm	N/A	79-10-7
High Boiling (Meth) Acrylate	N/A	N/A	N/A	Proprietary

## SECTION III – PHYSICAL DATA / CONTENTS WITHOUT PROPELLENT

**BOILING POINT:** N/A      **SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.03  
**VAPOR PRESSURE (mm Hg):** 6 mm Hg @ **MELTING POINT:**  
30°C  
**VAPOR DENSITY (AIR = 1):** Heavier than air      **EVAPORATION RATE (Butyl Acetate = 1):** N/A  
**SOLUBILITY IN WATER:** Insoluble      **APPEARANCE AND ODOR:** Amber Liquid; Mild

## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT (METHOD USED):** >200°F (P.M.C.C.)  
**FLAMMABLE LIMITS** N/A

**EXTINGUISHING MEDIA:** WATER FOG       STANDARD FOAM       CO<sub>2</sub>   
DRY CHEMICAL       HALON

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None  
**SPECIAL PRECAUTIONARY STATEMENTS:** N/A

## SECTION V: REACTIVITY DATA

**STABILITY:**  Stable    Unstable  
**Incompatibility :** Oxidizers, amines, strong Lewis or mineral acids, thiosulfates. Smoke and toxic fumes may be evolved as a result of uncontrolled exothermic reaction of large masses of material reacting with curing agents, such as peroxides, amines, or exposure to light.  
**Hazardous Decomposition:** None.  
**HAZARDOUS POLYMERIZATION:**  May Occur    Will not occur  
**Conditions to Avoid:** N/A

## SECTION VI: HEALTH HAZARD DATA

### ROUTES OF ENTRY & HEALTH HAZARDS (ACUTE AND CHRONIC)

**INGESTION:** N/A  
**EYES:** Possible irritation on contact.  
**INHALATION:** Inhalation of vapors in an unventilated area may, over time, induce headaches.  
**SKIN:** Possible irritation on contact.

### EMERGENCY AND FIRST AID PROCEDURES

**INGESTION:** Low toxicity; Get medical attention.  
**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.  
**INHALATION:** Remove affected person to fresh air.

**SKIN:** In case of skin contact, wash thoroughly with soap and water. Do not use organic solvents for cleanup as they may dry or irritate the skin and act as a carrier for chemical absorption.

### **SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE LARGE AMOUNTS ARE RELEASED:** Dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing material. Dispose of as a chemical waste in accordance with current local, state, and federal regulations.

**WASTE DISPOSAL METHOD:** N/A  
**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Avoid prolonged or repeated breathing of vapor. Avoid storage over 100°F, exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.

**OTHER PRECAUTIONS:** N/A

### **SECTION VIII: CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Positive fresh air exhaust should be provided in the work area; respiratory equipment in unnecessary in normal use.

**VENTILATION:** N/A

**LOCAL EXHAUST:** N/A

**PROTECTIVE GLOVES:** Avoid skin contact. Wear gloves and impervious protective clothing if frequent direct contact is likely.

**EYE PROTECTION:** Do not wear contact lenses. Chemical safety goggles are recommended.

### **SECTION IX: SPECIAL PRECAUTIONS**

<b>HEALTH: 2</b>	<b>HAZARD RATING KEY</b>
<b>FLAMMABILITY: 1</b>	0 = MINIMAL
<b>REACTIVITY: 1</b>	1 = SLIGHT
<b>PERSONAL PROTECTION:</b>	2 = MODERATE
	3 = SERIOUS
	4 = SEVERE
	* = CHRONIC HEALTH EFFECTS

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