

# SAFETY DATA SHEET

## SECTION 1. IDENTIFICATION



Great Lakes Orthodontics  
200 Cooper Ave  
Tonawanda, NY 14150

716-871-1161  
800-828-7626  
CHEMTREC: 800-424-9300

**Product Name:** Biocryl Ice Monomer Kits  
**Product Number:** 047-004, 047-006 047-001, 047-002

Effective Date: 8/9/17

## SECTION 2. HAZARDOUS IDENTIFICATION

### Physical Hazards:

**Class** – Flammable Liquid  
**Category** – Category 2  
**H-Code** – H225

### Health Hazards:

<b>Class:</b>	<b>Category:</b>	<b>H-Code</b>
Skin Corrosion / Irritation	Category 2	H315
Skin Sensitization	Category 1	H317
Specific Target Organ Toxicity – Single Exposure – Respiratory	Category 3	H335

### Environment Hazards:

**Class** – Not classifiable (None)  
**Category** – N/A  
**H-Code** – N/A

### OSHA Defined Hazards:

Not classifiable (None)

### Pictograms:



### Signal Word:

Danger

### **SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**

<b><u>Hazardous Components</u></b>	<b><u>ACGIH TLV</u></b>	<b><u>% (Optional)</u></b>
Methyl Methacrylate Monomer	100ppm	90 - 95
Diauryid Methylammonium Chloride		5

### **SECTION 4. FIRST AID MEASURES**

#### **Eye Contact**

Flush with water for 15 minutes.

#### **Skin Contact**

Wash with soap and water.

#### **Inhalation**

Move to fresh air.

#### **Ingestion**

Do not induce vomiting.

### **SECTION 5. FIRE FIGHTING MEASURES**

#### **Suitable Extinguishing Media**

Chemical foam, Carbon Dioxide, Dry Chemicals, and Water Fog.

#### **Special Fire Fighting Procedures**

Fight fires from safe distance or protected areas. Cool containers of material exposed to heat with cold water spray.

#### **Unusual Fire / Explosion Hazards**

Sealed containers exposed to elevated temperatures may rupture explosively due to polymerization. Vapors are heavier than air.

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

#### **Spill and Leak Procedures**

Eliminate ignition sources. Wear an approved respirator for high vapor concentration. Absorb spills with inert material. Transfer to a suitable container.

### **SECTION 7. HANDLING & STORAGE**

#### **Handling / Storage Precautions**

Regulations related to storage of flammable liquids should be followed. Permit air space to exist inside containers.

**Other Precautions** – Use gloves and safety glasses.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Ventilation Measures**

Local exhaust – Keep concentration below 100ppm.

Mechanical (general) – Explosion proof exhaust at point of operations.

### **Respiratory Protection**

When vapors exceed 100ppm, use self-contained breathing apparatus.

### **Hand Protection**

Wear protective gloves – Impervious, neoprene-type.

### **Eye Protection**

Splash proof goggles.

### **Work / Hygienic Practices**

Follow good laboratory practices

### **Additional Protective Measures**

Eyewash, safety shower, coveralls, and overshoes.

## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Appearance** – Colorless liquid
- **Odor** – Characteristic acrid odor
- **Flash Point** - 50 °F (TCC)
- **Flammable Limits** – 77 °F 1 ATM
- **Lower Explosion Limit** – 2.1
- **Upper Explosion Limit** – 12.5
- **Vapor Pressure (mm Hg)** – 29 (20 °C)
- **Vapor Density (AIR = 1)** – 3.46 (60 °F, 1 ATM)
- **Solubility in Water** – 1.6g / 100g (68 °F)
- **Boiling Point** – 214 °F (760 mm Hg)
- **Specific Gravity (H<sub>2</sub>O – 1)** - .095 (60 °F)
- **Melting Point** – -54 °F
- **Evaporation Rate (Butyl Acetate – 1)** – 3.00

## SECTION 10. STABILITY & REACTIVITY

**Hazardous Reactions** – Hazardous polymerization may occur.

**Stability** – Stable

**Materials to Avoid** – Reducing and oxidizing agents.

**Conditions to Avoid** – Heat and ignition sources. Contamination with foreign materials.

**Hazardous Decomposition Products** – Not applicable.

## SECTION 11. TOXICOLOGICAL INFORMATION

Not applicable.

**SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)**

Not applicable

**SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)**

Dispose of in accordance with Federal, State, and local regulations.

**SECTION 14. TRANSPORT INFORMATION (non-mandatory)**

Flammable liquid, hazard class 3, packing group II (DOT)

**SECTION 15. REGULATORY INFORMATION (non-mandatory)**

SARA 313 – Extremely hazardous, acute and chronic health, fire hazard.

**SECTION 16. OTHER INFORMATION (non-mandatory)**

HMIS Rating:

- **Health** – 2
- **Flammability** – 3
- **Reactivity** – 2

0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe

\* = Chronic Health Hazard