

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Great Lakes Dental Technologies, Ltd
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: 8/22/23

SECTION 2. HAZARDOUS IDENTIFICATION

Physical Hazards:

Class – Flammable Liquid

Category – Category 2

H-Code – H225

Health Hazards:

Class:

Skin Corrosion / Irritation

Skin Sensitization

Specific Target Organ Toxicity – Single Exposure – Respiratory

Category:

Category 2

Category 1

Category 3

H-Code

H315

H317

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

<u>Hazardous Components</u>	<u>ACGIH TLV</u>	<u>% (Optional)</u>
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 (H₂O – 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)
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Dispose of in accordance with Federal, State, and local regulations.

SECTION 14. TRANSPORT INFORMATION (non-mandatory)
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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)
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HMIS Rating:

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

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

* = Chronic Health Hazard