

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION



Great Lakes Dental Technologies
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800-828-7626
CHEMTREC: 800-424-9300

Product Name: Biocryl Polymer Resin
Product Number: 040-017, 040-018, 040-019, 040-020, 040-032
KITS: 040-013, 040-014, 040-015, 040-016, 040-030, 040-031

Effective Date: 07/12/2022

SECTION 2. HAZARDOUS IDENTIFICATION

Signal Word – Warning

Hazard Statements – May cause an allergic skin reaction.

Causes serious eye irritation



Precautionary Statements - Prevention

- Avoid breathing dust, fumes, gas, mist, vapors, or spray.
- Wash hands and exposed skin thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves, protective clothing, eye protection, and face protection.

Precautionary Statements – Response

Wash contaminated clothing before reuse.

- If On Skin: Wash with soap and water
- If In Eyes: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do- continue rinsing.
- If skin irritation or rash occurs: Get medical advice/attention
- If eye irritation persists, get medical advice/attention

Precautionary Statements – Disposal

- Dispose of contents / container to an approved waste disposal plant.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components	CAS #	%	* Specific chemical weight has been withheld as a trade secret.
Polymer	9011-14-7	< 90	

SECTION 4. FIRST AID MEASURES

Eye Contact

Flush with water for 15 minutes including under eyelids. Get medical help if discomfort persists.

Skin Contact

Wash with soap and water. Get medical help if discomfort persists.

Inhalation

Remove to fresh air. Get medical help if discomfort persists.

Ingestion

Do not induce vomiting. Drink plenty of water or milk IMMEDIATELY. If vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

Symptoms: Skin contact may aggravate on existing dermatitis. Direct contact with eyes may cause temporary irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable: Water, chemical (alcohol-resistant foam, dry chemical, or carbon dioxide (CO₂))

Unsuitable: Water may not be effective in extinguishing this fire.

Specific hazards arising from the chemical

For bulk size: Polymers are combustible dusts, care should be taken to avoid creating explosive concentrations in the air. Follow grounding and bonding procedures.

Special Fire Fighting Procedures:

Avoid extinguishing methods, which may generate dust clouds. Water stream can disperse dust into air producing a fire hazard and possible explosion hazard if exposed to ignition source. Firefighters should wear self-contained breathing apparatus.

Protective equipment and precautions for firefighters

For bulk size: Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Polymers are sensitive to static charge, follow ground and bonding procedures. Polymers are not sensitive to mechanical impacts.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Use person protective equipment as required. Remove any contaminated clothing and wash thoroughly before reuse.

Methods and material for containment and clean up

Method for containment: Prevent further leakage or spillage if safe to do so. Dike and contain spill with inert material, sand or earth. May contaminate water supply.

Method for clean-up: Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills. Clean up in accordance with all applicable regulations. Wash all affected areas with plenty of warm water and soap.

SECTION 7. HANDLING & STORAGE

Precautions for safe handling

Advice on safe handling: Use only in well ventilated areas. Avoid contact with skin, eyes or clothing. Avoid breathing dust or fume. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any compatibilities

Storage Conditions: Keep containers tightly closed to prevent water absorption and contamination. Store in a dry, cool and well ventilated place away from direct sunlight or other sources of light or intense heat.

Temperature not to exceed 35°C.

Packaging materials: Keep in original container.

Incompatible materials: Strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Industrial Hygiene

Avoid prolonged contact with the product. Use in a well-ventilated location (e.g. local exhaust ventilations, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink, or smoke while handling product. Remove contaminated clothing, wash thoroughly before reuse.

Ventilation Measures

When working with large quantities of product provide adequate ventilation (e.g. local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes. Use good local exhaust at processing equipment, including buffers, sanders, grinders, and polishers.

Respiratory Protection

No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR SS 1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, EC member states, or Australia.

Hand Protection

If anticipated that prolonged and repeated skin contact will occur during use of this product, wear gloves for routine industrial use. If necessary, refer to U.S. OSHA's requirement in 29 CFR SS 1910.138, the appropriate standards of Canada, of the EC member states.

Eye Protection

Depending on the use of this product, safety glasses or goggles may be worn. If necessary, refer to U.S. OSHA's requirement in 29 CFR SS 1910.133. Canadian standards or the European Standard En 166. Ensure that an eyewash station, sink, or washbasin is available in case of exposure to eyes.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Physical State** – Fine powder
- **Appearance** – Fine, white, or pigmented
- **Odor** – Faint odor in bulk
- **Flash Point** - 304 °C (580 °F)
- **Auto Ignition Temperature** – Not established
- **Solubility in Water** – Insoluble
- **Specific Gravity (H₂O=1)** – No data

Not available: Boiling Point, Vapor Pressure, Vapor Density, Percent Volatile, Evaporation Rate

SECTION 10. STABILITY & REACTIVITY

Reactivity: Not reactive under normal conditions

Chemical Stability: Stable under recommended storage conditions

Possibility of hazardous reactions: None under normal processing

Hazardous polymerization: Does not occur

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Methacrylate monomer, oxides of carbon when burned.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity Data

This product has not been tested on animals to obtain toxicology data. Avoid contact with eyes, skin and do not taste or swallow.

SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)

Aquatic Toxicity:

There is no specific data available for this product.

Environmental Fate

There is no specific data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)

Waste Disposal Method

Dispose of properly in accordance with federal, state, and local regulations. For bulk only, reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual material associated with empty containers. Dispose of all empty containers properly, in accordance with federal, state, and local regulations.

SECTION 14. TRANSPORT INFORMATION (non-mandatory)

- **DOT / UN Shipping Name:** Polymer, NOI – Non-hazardous

SECTION 15. REGULATORY INFORMATION (non-mandatory)

International Inventories

EINECS: This product is a medical device and not subject to chemical notification requirements.

EU regulations: EC No. 1272/2008 (CLP) Classification, Labeling, Packaging
Medical Devices Directive 93/42/EEC- Class I Medical Devices

US Federal Regulations: TSCA This product is an FDA regulated device and not subject to TSCA regulations.

SARA 302- Extremely Hazardous- Not Listed

SARA 311/312 Hazard Categories- This product is an FDA regulated device and not subject to reporting requirements.

SECTION 16. OTHER INFORMATION (non-mandatory)

HMIS Rating:

- **Health** – 1
- **Flammability** – 1
- **Reactivity** – 0

0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe * = Chronic Health Hazard

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in text.

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Product Name: Biocryl Monomer Resin
Product Number: 040-022, 040-024, 040-026, 040-033, 040-034, 040-049
KITS: 040-013, 040-014, 040-015, 040-016, 040-030, 040-031

Effective Date: 5/12/16

SECTION 2. HAZARDOUS IDENTIFICATION

Classification

- Flammable Liquids – Category 2
- Skin Corrosion / Irritation – Category 2
- Skin Sensitization – Category 1
- Specific Target Organ Toxicity – Single Exposure (Respiratory) – Category 3

Single Word – Danger

Hazard Statements –

H225 – Highly flammable liquid and vapor

H315 – Causes skin irritation

H317 – May cause an allergic skin reaction

H335 – May cause respiratory irritation



Appearance – Clear or slightly tinted

Physical State – Liquid

Odor - Acrid