

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION



Great Lakes Orthodontics
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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: 12/13/16

SECTION 2. HAZARDOUS IDENTIFICATION

Signal Word – Warning

Hazard Statements – May cause an allergic skin reaction.



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

- IF ON SKIN: Wash with soap and water.
- If skin irritation or rash occurs: get medical advice / attention.
- Wash contaminated clothing before use.

Precautionary Statements – Disposal

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

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components	CAS #	%
Polymer	9011-14-7	< 90
Diethyl Phthalate	84-66-2	< 1

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.

SECTION 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water, Dry chemical, Carbon Dioxide (CO₂)

Special Fire Fighting Procedures

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

Unusual Fire / Explosion Hazards

For bulk size, Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures

Before cleaning any spill or leak, individuals involved must wear appropriate Personal Protective Equipment (e.g. goggles, gloves). Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills. Dispose of properly in accordance with local, state, and federal regulations. Wash all affected areas with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

SECTION 7. HANDLING & STORAGE

Storage temperature

Preferably not exceeding 35 °C.

Handling / Storage Precautions

Use in well ventilated areas. Avoid contact with skin, eyes, and clothing. Avoid breathing dust. Use good personal hygiene and housekeeping. Store containers in a cool, dry location away from direct sunlight, other light sources, or sources of intense heat. Keep only in original container. Keep container closed to prevent water absorption and contamination.

Further Info on Storage Conditions

None.

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, it's 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

Hazardous Reactions – Hazardous polymerization will not occur.

Stability – Stable.

Materials to Avoid – Strong oxidizing agents.

Conditions to Avoid – Heating above 240 °C(464 °F).

Hazardous Decomposition Products – Methacrylate monomer and oxides of carbon when burned.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity Data

This product has not been tested on animals to obtain toxicology data. There is toxicology data for the components of the product, which is found in scientific literature. This data has not been presented in this document.

Mutagenicity Data

For Polymer – None listed.

Reproductive Toxicity Data

For Polymer – None listed.

SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)

Aquatic Toxicity:

There is no specific data available for this product, however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

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)

Risk Phrases

- R36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases

- S3 – Keep in a cool place.
- S7 – Keep container tightly closed.
- S9 – Keep container in well ventilate place.
- S20 – When using do not eat or drink.
- S29 – Do not empty into drains.
- S37/39 – Wear suitable gloves and eye/face protection.

Canadian Regulations

WHMIS –

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by CPR. All of the components of this product are listed on the Canadian DSL.

TSCA Inventory Status - For use in FDA regulated products only.

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