

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Great Lakes Dental Technologies
200 Cooper Ave
Tonawanda, NY 14150

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

Product Name: Magicryl Powder

Product Number: 045-131, 045-132, 045-133, 045-134, 045-135, 045-136, 045-137, 045-138, 045-139,
045-140, 045-141, 045-142
Kit – 145-130

Effective Date: 8/22/23

SECTION 2. HAZARDOUS IDENTIFICATION

Potential Health Effects:

Primary Routes of Entry

- Inhalation
- Skin Contact
- Eye Contact

Human Effects and Symptoms of Overexposure:

Eyes

Keep dust out of eyes to prevent possible irritation.

Inhalation

Avoid inhalation of dust.

General Effects of Exposure

Polymer

- OSHA classifies this material as particulates, not otherwise classified. Eyes, skin, and respiratory tract may be irritated by gross overexposure to particulates, not otherwise classified, no matter how they are generated.

Diethyl Phthalate

- Inhalation – Persons with impaired lung function or asthma-like conditions may experience additional breathing difficulties.
- Reproductive – Possible teratogen.
- Skin – Prolonged or repeated contact may cause redness, burning, drying, cracking, and dermatitis. Persons with pre-existing skin disorders may be more susceptible to this material.

Carcinogenicity

None of the other components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Components</u>	<u>CAS #</u>	<u>%</u>
Polymer	9011-14-7	<99
Diethyl Phthalate	84-66-2	<20

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.

Clothing

Remove contaminated clothing, wash thoroughly before reuse.

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.

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. Fire fighters should wear self-contained breathing apparatus. Polymer is not sensitive to mechanical impact or static discharge.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures

Before cleaning any spill or leak, individuals involved must wear appropriate personal protective equipment (i.e.: goggles, gloves). Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning 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.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Industrial Hygiene

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

Ventilation Measures

When working with large quantities of product, provide adequate ventilation (i.e.: local exhaust ventilations, 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 requirements 29 CFR SS 1910.134, or applicable U.S. State regulations, or the appropriate standards of Canada, its provinces, EC member states, or Australia. Local exhaust at processing equipment.

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 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 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

- **Appearance** – Fine powder
- **Color** – Clear to pigmented
- **Odor** – Faint odor in bulk
- **Flash Point** - 304 °C (580 °F)
- **Lower Explosion Limit** – Not Available
- **Upper Explosion Limit** – Not Available
- **Vapor Pressure** – Not Applicable
- **Vapor Density (AIR=1)** – Not Available
- **Specific Gravity (H2O=1)** – No Data Available
- **Evaporation Rate** – Not Available
- **Solubility in Water** – Insoluble
- **Auto-ignition Temperature** – Not Established

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.

Polymer: - None listed

- Mutagenicity Data
- Reproductive Toxicity Data

SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)

Ecological Data:

- **Aquatic Toxicity** – There is not 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 a well-ventilated 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 in accordance with the hazardous criteria of the CPR and the SDS contains all the information required by the CPR. All of the components of this material are listed on the Canadian DSL.

TSCA

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