SAFETY DATA SHEET

Effective Date 27-Oct-2021 **Version** 3

1. IDENTIFICATION

Product Identifier
Product Name GREAT LAKES DENTAL TECHNOLOGIES – POLYMER / BIOCRYL RESIN ACRYLIC KIT

Other means of identification
SDS# 021-53
Product Code 040-017, 040-018, 040-019, 040-020, 040-032 KITS: 040-013, 040-014, 040-015, 040-016, 040-030, 040-031

Recommended use of the chemical and restrictions on use
Recommended Use Fabrication of orthodontic appliances

Details of the supplier of the safety data sheet
Supplier Address Lang Dental Mfg. Co., Inc.
175 Messner Dr.
Wheeling, IL 60090
USA

Emergency telephone number
Company Phone Number +1 847-215-6622
Emergency Telephone (INFOTRAC) +1 352-323-3500 (International)
800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Skin sensitization	1
Eye irritation	2B

Signal word Warning
Hazard statements H317 May cause an allergic skin reaction.
H320 Causes eye irritation



Physical State Powder **Appearance** Fine, white or pigmented **Odor** Faint odor in bulk

Precautionary Statements – Prevention
P261 Avoid breathing dust, fumes, gas, mist, vapors or spray.
P264 Wash hands and exposed skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements – Response
P363 Wash contaminated clothing before reuse.
P302+P352 IF ON SKIN: Wash with soap and water.
P305+P351 +P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists, get medical advice/attention.

Precautionary Statements – Disposal
P501 Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight - %	Trade Secret
Polymer	9011-14-7	< 90	*

*Specific chemical weight has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Inhalation	Remove to fresh air. Get medical attention if discomfort persists.
Eye contact	Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes. If irritation persists, get medical advice / attention.
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. Call a physician or poison control center immediately and provide an estimate of when and how much material was ingested.
Skin Contact	Wash with soap and water. If irritation persists, call a physician. Take off contaminated clothing and wash before reuse.

Most important symptoms and effects, both acute and delayed

Symptoms	Skin contact may aggravate an 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.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable: Chemical (alcohol-resistant) foam, dry chemical, or carbon dioxide (CO_2).
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 discharge, follow grounding and bounding procedures. Polymers are not sensitive to mechanical impacts.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal 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.

7. HANDLING AND 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. 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 incompatibilities

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls Apply technical measures to comply with the occupational exposure limits. 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.

Individual protection measures, such as personal protective equipment

Eye / face protection Depending on the use of this product, safety glasses or goggles may be worn. If necessary, refer to US OSHA 29 CFR SS1910.133, Canadian standards or the European Standard EN 166. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

Skin and body 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 US OSHA 29 CFR SS1910.138 or the appropriate standards of Canada or the EC member states.

Respiratory protection No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per US OSHA requirement in 29 CFR SS 1910.134, or applicable US state regulations, or the appropriate standards of Canada, its provinces, EC member states or Australia. VENTILATION: Local exhaust at processing equipment.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Powder	**Odor**	Faint odor in bulk
Appearance	Fine		
Color	White or pigmented		

Property	**Values**	**Remarks / Method**
Boiling point / boiling range	Not applicable	
Flash point	304°C / 579°F	
Flammability limits in air		
Upper flammability limit	Not applicable	
Lower flammability limit	Not applicable	
Specific gravity	Not determined	

10. STABILITY AND 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

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposures

Product information This product has not been tested on animals to obtain toxicology data.
Inhalation Not expected to be an inhalation hazard under normal conditions of intended use
Eye contact Avoid contact with eyes.
Skin contact Avoid contact with skin.
Ingestion Do not taste or swallow.

Component information There is no specific data available for this product.

12. ECOLOGICAL INFORMATION

Component Ecotoxicity There is no specific data available for this product.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Follow all local and national government regulations in disposing material or contaminated packaging.

Contaminated Packaging 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.

14. TRANSPORTATION INFORMATION

DOT Not regulated
IATA Not regulated
IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

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

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.

16. OTHER INFORMATION

HMIS	Health Hazards	Flammability	Physical Hazards
	1	1	0

Effective 27-Oct-2021

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 the text.

End of Safety Data Sheet