

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION



Great Lakes Orthodontics
200 Cooper Ave
Tonawanda, NY 14150

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

Product Name: Fast White Polymer
Product Number: 040-006 **Kit:** 040-004

Effective Date: 7/12/17

SECTION 2. HAZARDOUS IDENTIFICATION

Classifications – Physical, Health, Environmental

Eye Damage
Reproductive Toxicity

OSHA Defined Hazards

Combustible dust may form combustible dust concentrations in air – explosion hazard.

Pictogram



Signal Word

Warning

Hazard Statements

Causes serious eye irritation.
Suspected of damaging fertility of the unborn child.

Precautionary Statements – Prevention, Response, Disposal

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Ground and bond container and receiving equipment.

Wash hands and exposed skin thoroughly after handling.

Wear protective gloves, clothing, eye and face protection.

Use personal protective equipment as required.

IF IN EYES, rinse continuously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing.

IF exposed or concerned get medical advice / attention.

Get medical advice / attention.

Store locked up.

Dispose of contents / container to an authorized disposal facility.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS #</u>	<u>Weight - %</u>	<u>GHS Rating</u>
Polymethyl Methacrylate	9011-14-7	80 – 90	Eye Damage / Irritation 2B
Diethyl Phthalate	84-66-2	10 – 20	Reproductive Toxicity 2 Aquatic Toxicity A3
Titanium Dioxide (CI 77891)	13463-67-7	1 - 5	

SECTION 4. FIRST AID MEASURES

Eye Contact

If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

Skin Contact

If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness, or swelling persists, contact a physician immediately.

Inhalation

Remove to fresh air. Seek immediate medical attention.

Ingestion

If ingested, do not induce vomiting. If product has been swallowed, drink plenty of 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.

Treatment

Treat symptoms conventionally, after thorough decontamination.

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 into air producing a fire hazard and possible explosion hazard if exposed to ignition source. Firefighters should wear self-contained breathing apparatus.

Unusual Fire / Explosion Hazards

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

Personal Precautions

Before cleaning any spill or leak, individuals must wear appropriate Personal Protective Equipment that is specified in Section 8. Keep airborne particulates at a minimum when cleaning up spills. Deny entry to all unprotected individuals. Remove any contaminated clothing and wash thoroughly before reuse.

Environmental Precautions

Extinguish all ignition sources. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. US Regulations (CERCLA) require reporting spills and releases to soil, water, and air in excess of reportable quantities. The toll free number for the US Coast Guard National response Center is (800) 424-8802.

Methods for Containment

Prevent further leakage or spillage if safe to do so. Dike and contain spill with inert material (e.g.: sand or earth). May contaminate water supply.

Methods for Cleaning Up

Maximize ventilation (open doors and windows) and secure all sources of ignition. Use good, local ventilation with a minimum capture velocity of 100 ft/min (30 m / min) at point of product release. Place into appropriate closed container(s) for disposal in accordance with local, state, and federal regulations. Wash all affected areas with plenty of warm water and soap. Not a RCRA Hazardous waste. Temperature should remain at or under 72° F.

SECTION 7. HANDLING & STORAGE

Handling Precautions

Use in well ventilated areas. Avoid contact with skin, eyes, and clothing. Avoid breathing dust. Use good personal hygiene and housekeeping.

Storage Precautions

Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. 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 product. Use in well-ventilated location (e.g.: local exhaust ventilation, 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 (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 §1910.134, or applicable U.S. State regulations, or the appropriate standards of Canada, its provinces, E.C. 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 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. 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 §1910.133, Canadian standards, or the European Standard EN166. Ensure that an eyewash station, sink, or washbasin is available in case of exposure to eyes.

Additional Protective Measures

No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA. An eyewash station and a safety shower are recommended. High temperature processing equipment should be well ventilated.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Form** – Fine Powder
- **Color** – Tint
- **Odor** – Faint odor in bulk
- **Flash Point** - 304 °C (580 °F)
- **Solubility in Water** – Insoluble

Not Applicable: Upper and Lower Flammable Limit, PH, Boiling Point, Freezing Point, Viscosity, Vapor Pressure, Percent Volatile, Vapor Density, Evaporation Rate

Not Determined: Odor Threshold, Specific Gravity, Coefficient of Water/Oil Distribution

Not Established: Auto-ignition Temperature

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

This product is not reported to produce mutagenic effects in humans.

Reproductive Toxicity Data

- Embryo Toxicity - This product is not reported to produce embryo-toxic effects in humans.
- Teratogenicity – This product is not reported to cause teratogenicity effects in humans.
- Reproductive Toxicity – This product is not reported to cause reproductive effects in humans.

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

SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)

There is no specific data available for this product.

Waste Disposal Method

Dispose of properly in accordance with existing Federal, State, and local regulations. 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, NOS

SECTION 15. REGULATORY INFORMATION (non-mandatory)

United States Federal Regulations

SARA Reporting Requirements

YES

SARA Threshold Planning Quantity

There may be specific threshold planning quantities for the components of this product.

TSCA Inventory Status

The components of this product are listed on the TSCA Inventory. For use in FDA regulated products only.

CERCLA Reportable Quantity (RQ)

NA

Other Federal Requirements

This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).

Other Canadian Regulations

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.

State Regulatory Information

This product may contain components that are covered under specific state criteria.

Risk Statements

R36/R37/38 – Irritating to eyes, respiratory system and skin.

Safety Statements

- **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

SECTION 16. OTHER INFORMATION (non-mandatory)
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HMIS Rating:

- **Health** – 1
- **Flammability** – 1
- **Physical Hazard** – 0

NFPA Rating:

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

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

* = Chronic Health Hazard