

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION



Great Lakes Orthodontics
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CHEMTREC: 800-424-9300

Product Name: Contemporary Colors
Product Number: 045-038, 045-039, 045-041, 045-042, 045-043, 045-044, 045-045, 045-046, 045-047, 045-084, 045-089

Effective Date: 12/14/12

SECTION 2. HAZARDOUS IDENTIFICATION

Potential Health Effects:

Primary Routes of Entry

- Inhalation – avoid inhalation of dust.
- Skin Contact
- Eye Contact – Keep dust out of eyes to prevent possible irritation.

Human Effects and Symptoms of Overexposure:

Skin

May be irritated by gross overexposure to particulates, not otherwise classified no matter how they are generated.

Eyes

May be irritated by gross overexposure to particulates, not otherwise classified no matter how they are generated.

Inhalation

May be irritated by gross overexposure to particulates, not otherwise classified no matter how they are generated.

Ingestions

Not expected to cause any harmful effects if ingested. Ingestion of large amounts may be irritating if product is swallowed, may cause nausea, headache, vomiting and/or diarrhea.

General Effects of Exposure

OSHA classifies this material as particulates, not otherwise classified.

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 | 25685-29-4 | <99 |

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 use.

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 is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Firefighters should wear self-contained breathing apparatus.

Sensitive To Medical Impact – For polymer: NO

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 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.

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, 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. VENTILATION: 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 29CFR 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

- **Form** – Powder
- **Color** – Fine clear to pigmented
- **Odor** – Faint odor in bulk
- **Boiling Point** – Not Applicable
- **Lower Explosion Limit** – Not Applicable
- **Upper Explosion Limit** – Not Applicable
- **Vapor Pressure** – Not Applicable
- **Solubility in Water** – Insoluble
- **Auto-ignition Temperature** – Not established
- **Specific Gravity** – ND
- **Percent Volatile W/W%** - Not Applicable
- **Evaporation Rate** – Not Applicable

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 STATEMENTS

- R36/37/38 – 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.

CANADIAN REGULATIONS:

WHMIS – This product has been classified in accordance with the hazardous criteria of the CPR and the MSDS 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