SAFETY DATA SHEET

SECTION 1. INDENTIFICATION

Great Lakes Orthodontics
200 Cooper Ave
Tonawanda, NY 14150

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

Product Name: Great Lakes Intra Oral Mouth Prop and Cheek Retractors
Product Number: 300-626, 300-627, 300-628, 300-629, 300-630, 300-631, 300-632

Effective Date: 7/24/13

SECTION 2. HAZARDOUS IDENTIFICATION

Potential Health Effects:

Primary Routes of Entry

- Ingestion
- Skin Contact
- Eye Contact

Medical Conditions Aggravated by Exposure

- There are no known human health effects aggravated by exposure to the products. However, certain sensitive individuals and individuals with respiratory impairments may be affected by exposure to components in the processing vapors.

Human Effects and Symptoms of Overexposure:

Skin

No absorption hazard in normal industrial use. Unlikely to cause irritation even on repeated contact.

Ingestions

No hazard in normal industrial use.

Eyes

Can cause mechanical irritation if dusts are generated.

General Effects of Exposure

Fumes produced during melt processing may cause eye, skin, and respiratory tract irritation. Severe over-exposure may result in nausea, headache, chills, and fever.

Carcinogenicity

NTP – Not tested, OSHA – Not regulated, and IARC – Not listed.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 4. FIRST AID MEASURES

Eye Contact

Immediately flush eyes, with plenty of water. Get medical attention if irritation develops or persists. After initial flushing, remove any contact lenses.

Skin Contact

Molten plastic can cause severe thermal burns. Grease-like processing fume condensates on ventilation ductwork, molds, and other surfaces can cause irritation and injury to skin. Wash with soap and water. Get medical attention if irritation develops or persists. For hot product, immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention.

Inhalation

No specific treatment is necessary since this material is not likely to be hazardous by inhalation. Processing fumes inhalation may be irritating to the respiratory tract. If symptoms are experienced, remove victim from the source of contamination or move victim to fresh air and obtain medical advice.

Ingestion

No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop.

SECTION 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, Water Foam. Carbon Dioxide (CO2) and dry chemicals are not recommended because their lack of cooling capacity may permit re-ignition.

Special Fire Fighting Procedures

Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Material can burn in a fire creating dense toxic smoke.

Unusual Fire / Explosion Hazards

Material is not sensitive to mechanical impact but is sensitive to static discharge under dust cloud conditions. Material requires a continuous flame source to ignite.

Hazardous Combustion Products

Intense heat, smoke, carbon dioxide, carbon monoxide, and hydrocarbon fragments.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures

Gather and store in a closed container pending a waste disposal evaluation. Allow molten material to solidify before disposal. Spilled material may create a slipping hazard.

SECTION 7. HANDLING & STORAGE

Handling Precautions

Follow recommendations on label and in processing guide. Prevent contact with skin and eyes. Use good industrial hygiene practices. Provide adequate ventilation. Secondary operations such as grinding, sanding, or sawing may produce a dust explosion hazard. Use aggressive housekeeping activities to prevent dust accumulation. Employ bonding, grounding, venting, and explosion relief provisions in accordance with accepted engineering practices.

Storage Precautions

Store in a cool dry place. Avoid excessive heat and ignition sources.

Further Info on Storage Conditions

Protect equipment (e.g.: storage bins, conveyors, dust collectors) with explosion vents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Measures

A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended. Processing fume condensate may be a fire hazard and toxic; remove periodically for exhaust hoods, ductwork, and other surfaces using appropriate personal protection. Local ventilation requirements must be determined to limit exposure to processing fumes in the workplace.

Respiratory Protection

When using this product at elevated temperatures, implement engineering systems, administrative controls, or a respiratory protection program (including a respirator approved for protection from organic vapors, acid gases, and particulate matter) if processing fumes are not adequately controlled or operators experience symptoms of overexposure. If dust or power is produced from secondary operations such as sawing or grinding, use a respirator approved for protection from dust.

Eye Protection

Wear safety glasses with side shields or chemical goggles. In addition, use full-face shield when cleaning processing fume condensates from hoods, ducts, and other surfaces.

Skin and Body Protection

When handling pellets or powder, avoid prolonged or repeated contact with skin. Wear long pants, long sleeves, well-insulated gloves, and a face shield during melt processing. Appropriate clothing including chemical resistance gloves should be worn to prevent contact with processing fumes condensate.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Form –** Solid
- **Appearance –** Plastic Pellet
- **Color –** Slight color
- **Odor –** Slight or no odor
- **Melting Point –** This product does not exhibit a sharp melting point but softens gradually over a wide range of temperatures.
- **Specific Gravity (Water –** 1) - >1
- **Solubility in Water –** Insoluble

  Negligible – Vapor Pressure, % Volatiles, Evaporation Rate.

SECTION 10. STABILITY & REACTIVITY

Hazardous Reactions – Hazardous polymerization does not occur.
Stability – Stable
Materials to Avoid – None known
Conditions to Avoid – Do not exceed melt temperature recommendation in product literature. In order to avoid auto-ignition / hazardous decomposition of hot thick masses of plastic, purging should be collected in small, flat, shapes or thin strands to allow for rapid cooling. Quench in water. Do not allow product to remain in barrel at elevated temperatures for extended periods of time: purge with a general purpose resin (See Section 8 for respiratory protection advice).
Hazardous Decomposition Products – Processing fumes evolved at recommended processing conditions might include trace levels of the following materials: phenols, alkyphenois, and diary carbonate.

SECTION 11. TOXICOLOGICAL INFORMATION

Not applicable

SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)

Not applicable

SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)

Waste Disposal Method
Recycling is encouraged. Landfill or incinerate in accordance with federal, state, and local requirements. Collected processing fumes condensates and incinerator ash should be tested to determine waste classification.

SECTION 14. TRANSPORT INFORMATION (non-mandatory)

- **Land Transport (DOT):** Non - regulated
- **Sea Transport (IMDG):** Non – regulated
- **Air Transport (ICAO/IATA):** Non – regulated

SECTION 15. REGULATORY INFORMATION (non-mandatory)

Not applicable

SECTION 16. OTHER INFORMATION (non-mandatory)

Not applicable