**SECTION I**  IDENTIFICATION

**Manufacturer:**
Great Lakes Orthodontics, Ltd.
200 Cooper Avenue
Tonawanda, NY 14150

Phone: 1-800-828-7626 (U.S. & Canada)
716-871-1161 (Worldwide)
Fax: 716-871-0550
Email: info@greatlakesortho.com

**Product Numbers:**
300-612

**24-Hour Emergency Phone Number:**
CHEMTREC: 800-424-9300

**SECTION II**  HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

**Hazardous Components (Specific Chemical Identity: Common Name(s), OSHA PEL, ACGIH TLV, % (Optional))**
Polycarbonate 40% CAS# 25929-04-8
ABS 60% CAS # 9003-56-9

**Boiling Point:** N/A
**Specific Gravity (H2O – 1):** > 1

**SECTION III**  PHYSICAL / CHEMICAL CHARACTERISTICS

**Melting Point:** This product does not exhibit a sharp melting point, but softens gradually over a wide temperature range.
**Solubility in Water:** Insoluble in water
**Appearance and Odor:** Pellet
**Auto Ignition Temperature:** >450

**SECTION IV**  FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** N/A
**Extinguishing Media:** Water, foam, dry chemical powder.
**Special Fire Fighting Procedures:** Self contained breathing apparatus
**Unusual Fire and Explosion Hazard:** None

**SECTION V**  REACTIVITY DATA

**Stability:** Stable and non-reactive under normal handling and storage conditions.
**Conditions to avoid:**
**Incompatibility (Material to avoid):**
**Hazardous Decomposition or Byproducts:** Thermal Decomposition Gases – processing fumes evolved at recommended processing conditions may include trace levels of triaryl phosphate ester, styrene, alkyl phenols, acetophenone, cumene, phenol, alpha-phenol, diarylcarbontes, etc.
Route(s) of entry:
   Eyes – Fumes or vapors generated from decomposing resin may be irritant to eyes.
   Skin – Yes
   Ingestion – Yes

Emergency and First Aid Procedures:
   Inhalation: In case of gases evolving from melted resin, move subject to fresh air. Treat symptomatically.
   Eyes: In case of pellets or powder, flush with plenty of water for at least 15 minutes. Seek medical advice if any dust particles still remain.
   Skin: In case of pellets or powder, wash with water. In case of melt, wash affected skin area and clothing with plenty of soap and water. Seek medical advice.
   Ingestion: Induce vomiting. Rinse mouth with water. Seek medical advice if necessary.

Steps to be taken in case material is released or spilled: Recovery if not contaminated or disposal. Pellets or powder remaining on ground may cause slipping. Gather pellets and powder thoroughly to avoid birds or fishes taking from draining water.

Waste Disposal Method: Controlled incineration or landfill according to local, state, or national laws and regulations concerning health and pollution. Inadequate incineration may generate toxic gases such as CO2, CO, HCN, AN, SM, phosphorous oxides, and hydrocarbon fragments.

Precautions to be taken in handling and storing: Prevent from fire around handling area. Maintain good housekeeping standards to prevent accumulation of dust. To avoid dust explosion resulting from the existence of powder, electrostatics eliminators and grounding should be fixed to such equipment as air transferring pipes, bag filters, and hoppers. Use electrically conductive filters for bag filters. Keep the materials in a cool dry place. Protect from direct sunlight, rain, and violent temperature fluctuation. Fire is inhibited around storage area.

Respiratory Protection (Specific Type): Wear masks for cleaning molding machines.

Ventilation:
   Local exhaust: Necessary to exclude dust, fumes, and gases.

Protective Gloves: Necessary for handling melted resin.

Eye Protection: Wear safety glasses for general purpose. Wear chemical goggles for cleaning molding machines.