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: Face Mask Protection Headgear, Acrylite
Product Number: 300-306, 300-307, 300-308, 300-309

Effective Date: 3/13/13

SECTION 2. HAZARDOUS IDENTIFICATION

Potential Health Effects:

Primary Routes of Entry

- Skin Contact
- Eye Contact

Human Effects and Symptoms of Overexposure:

Skin

No hazard expected in normal use.

Eyes

No hazard expected in normal use. Dust of material can cause mechanical irritation.

Inhalation

Dust of material can cause mechanical irritation.

Ingestions

No hazard expected in normal use.

Carcinogenicity

No carcinogenic substances as defined by IARC, NTP and / or OSHA.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components	CAS #	Weight %
Acrylic Copolymer	Trade Secret	> 95

NJTSR # 56705700001-6736P

SECTION 4. FIRST AID MEASURES

Eye Contact

If mechanical irritation occurs, flush eyes thoroughly with a large amount of water, consult a physician if irritation persists.

Skin Contact

After contact with melted product, cool quickly with cold water. See a physician.

Inhalation

No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

Ingestion

Ingestion is not considered a potential route of exposure.

SECTION 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water Spray, Foam, Dry chemical, Carbon Dioxide (CO2).

Special Fire Fighting Procedures

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Unusual Fire / Explosion Hazards

Use water spray to cool containers exposed to fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures

Collect material and place in a disposal container. Obey relevant local, state, provincial, and federal laws and regulations. See Section 8, Exposure Controls / Personal Protection.

SECTION 7. HANDLING & STORAGE

Handling Precautions

Avoid dust formation. During thermoplastic processing, vapors of the decomposition products referred to in Section 10 are given off, which are technically unavoidable (Observe exposure threshold limit values). During thermal processing and/or machining extraction a cleaning aspirator at processing machines is necessary.

Storage Precautions

Store in a dry place.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Measures
If use operations generate dust, use adequate ventilation.

Respiratory Protection
A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hand Protection
General use gloves are recommended to protect the skin from drying and irritation.

Eye Protection
Use safety glasses (ANSI Z87.1 or approved equivalent).

Additional Protective Measures
No occupational exposure values established (ACGIH, OSHA, Canada and Mexico).

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Form –** Pellets
- **Color –** Colorless or colored
- **Odor –** Odorless
- **PH –** Not Applicable
- **Flash Point -** > 250 °C (ASTM D1929-68)
  > 482 °F (ASTM D1929-68)
- **Lower Explosion Limit –** Not Applicable
- **Upper Explosion Limit –** Not Applicable
- **Solubility in Water –** Insoluble
- **Ignition Temperature -** > 400 °C (ASTM D1929-68)
  > 752 °F (ASTM D1929-68)
- **Specific Gravity (water =1) –** 1.19 g/cm3 @ 20 °C / 68 °F
- **Softening Temperature –** Approximately 108 °C / 226 °F
- **Bulk Density –** Approximately 700 kg/m3 @ 20 °C / 68 °F
- **Solubility (qualitative) –** in e.g. esters, ketones, and chlorinated hydrocarbons: readily soluble.
- **Vapor Density (air = 1) –** Not applicable
- **Vapor Pressure –** Not applicable

Not available: Boiling temperature, n-Octanol / water partition coefficient, Evaporation Rate, Odor Threshold.

Dust explosions are generally to be expected with dust-forming organic products. See Section 5, Fire Fighting Measures.

SECTION 10. STABILITY & REACTIVITY

Hazardous Reactions – Hazardous polymerization will not occur.
Stability – Stable under normal storage conditions.
Materials to Avoid – None known
Conditions to Avoid – This material is considered stable.
Hazardous Decomposition Products – In case of thermal decomposition combustible, the eyes and respiratory system irritating vapors are formed, consisting mainly of: Methyl Methacrylate.

SECTION 11. TOXICOLOGICAL INFORMATION

This product has been tested toxicologically. When handled and used as directed the product will not cause hazardous effects to health according to studies on similar products and practical experience.

SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)

Information on Elimination (Persistence and Degradability) – Eco toxicological effect.

- This product has been tested eco toxicologically. On the basis of the products consistency as well as its low water solubility bio availability is unlikely. Studies on products with similar composition confirm this assumption.

SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)

Waste Disposal Method
Waste must be disposed of in accordance with federal, state, and local regulations. Incineration is the preferred method. CYRO encourages the recycle, recovery, and reuse of materials, where permitted as an alternate to disposal as a waste.

SECTION 14. TRANSPORT INFORMATION (non-mandatory)

No subject to the regulations on dangerous goods.

SECTION 15. REGULATORY INFORMATION (non-mandatory)

Inventory Information

- **EINECS (EU)** – listed or exempted
- **TSCA (USA) –** listed or exempted
- **DSL (CDN)** – listed or exempted

United States Federal Regulations

Component / CASRN - NONE

- TPQ (lbs.)
- CERCLA RQ (lbs.) 40 CFR302.4
- SARA 302 (List of EHS)
- SARA 313 40 CFR372
- TSCA 12b

Component Classification Under Clean Air Act Section 112 – NONE

Product classification under section 311 / 312 of SARA 40CFR370 – NONE

United States Regulatory Information

Component / CASRN – Acrylic polymer / trade secret

- New Jersey RTK – NO
- Pennsylvania RTK – NO
- Massachusetts RTK – NO
- California Proposition 65 Cancer – NO
- California Proposition 65 Reproductive – NO

Canadian Regulation

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation and the SDS contains all information required by the Controlled Products Regulations.

This is a non-controlled product.

WHMIS – NO

Component / CASRN – NPRI - NONE

SECTION 16. OTHER INFORMATION (non-mandatory)

HMIS Rating:

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

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

* = Chronic Health Hazard

NFPA Rating:

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

0 = insignificant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme

* = Chronic Health Hazard