



G&H® Wire Company

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MATERIAL SAFETY DATA SHEET DIRECTIVE 91/155/EEC

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

- 1.1 Product or Family Name: Polypropylene Heterophasic Copolymer used in the manufacture of Cheek Retractors, part number CR-00-01
- 1.2 Company Identification:
G&H Wire Company
P.O. Box 248, Greenwood, Indiana 46142
Telephone: 317-346-6655
Facsimile: 317-346-6663
- 1.3 Emergency Contact: 317-346-6655

2. COMPOSITION/INFORMATION ON INGREDIENTS

- 2.1 Name: Polypropylene Heterophasic Copolymer
- 2.2 Chemical Name: Polypropylene: 1-Propene, polymer with Ethane (hetero-phasic copolymer) min 98%, additives 2%.
- 2.3 Formula $(C_3H_6)_y - (C_2H_4)_y$.
- 2.4 CAS #: 9010-79-1
- 2.5 SDS Number: PPRO-A01

3. HAZARDS IDENTIFICATION

- 3.1 When used appropriately, no adverse effects are known to be caused by the product.
- 3.2 Per Directive 1999/45/EC this product/product family is not classified as dangerous or a health or workplace hazard
- 3.2 Dangerous substances: N/A

4. FIRST-AID MEASURES

The following measures should be taken for exposure to the raw materials by the following methods:

- 4.1 Inhalation: Fine dust may cause irritation to the respiratory system. If heated more than 235 C°, the product may form vapors or fumes which may cause irritation to the respiratory tract and cause coughing and a sensation of shortness of breath. Remove to fresh air and seek medical attention if needed.
- 4.2 Skin Contact: When melted can cause thermal burns, seek medical attention, do not attempt to remove any melted material from skin.
- 4.3 Eye Contact: Fine dust may cause irritation, use eyewash station and seek medical attention.
- 4.4 Ingestion: Polyolefins are inert, if accidentally swallowed seek medical attention.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable Extinguishing Media: Carbon dioxide, foam, water spray to cool surfaces.
- 5.2 Unsuitable Extinguishing Media: Water jets which can spread flames
- 5.3 Particular Hazards: Forms carbon monoxide
- 5.4 Special Protective Equipment for Firefighters: Breathing equipment and other protective equipment required.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions, such as: risk of slipping due to granules on the floor.
- 6.2 Environmental Precautions, such as: If discharged into water floating particles will be present that could alarm authorities. Skim off top if possible.
- 6.3 Cleaning Methods, such as: Sweep or vacuum and dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

- 7.1 Handling: No special handling required
- 7.2 Storage: Ambient temperature and original packaging in a well ventilate area. Do not store near highly flammable materials or heating source.
- 7.3 Specific Use: No Information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Exposure Limit Values: TLV-TWA
- 8.2 Exposure Controls:
 - 8.2.1 Occupational Exposure Controls: Personal Protective Clothing and Equipment:
 - 8.2.1.1 Respiratory: Work area should be properly vented with an exhaust system.
 - 8.2.1.2 Hand Protection: Protective gear or safety glasses to protect from splashing of hot materials.
 - 8.2.1.3 Eye Protection: same as above
 - 8.2.1.4 Skin Protection: same as above
 - 8.2.2 Environmental Exposure Controls: Unregulated

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 General Information:
 - 9.1.1 Physical State (solid, liquid, gas): Pellets
 - 9.1.2 Color: Translucent or white opaque
 - 9.1.3 Odor: None
- 9.2 Important health, safety and environmental information
 - 9.2.1 pH Value: N/A
 - 9.2.2 Boiling Point/Range:
 - 9.2.3 Flash Point: $\pm 350\text{ C}^\circ$
 - 9.2.4 Flammability (solid/gas):
 - 9.2.5 Explosive Properties: Lower 0.020 (for polymer dust <63pm)

- 9.2.6 Oxidizing Properties:
- 9.2.7 Vapor Pressure:
- 9.2.8 Relative Density: 905 (ISO1183)
- 9.2.9 Solubility:
 - (a) Water- <1 insoluble
 - (b) Solvents- insoluble
- 9.2.10 Partition coefficient: n-octanol/water:
- 9.2.11 Viscosity: N/A
- 9.2.12 Vapor Density:
- 9.2.13 Evaporation Rate:
- 9.3 Other: Melting range: 160-165 C°, Auto Ignition: >380 C°

10. STABILITY AND REACTIVITY

- 10.1 Conditions to Avoid: proximity or contact with flames or sparks
- 10.2 Materials to Avoid: Strong oxidizing materials and fluorine
- 10.3 Hazardous Decomposition Products:
- 10.4 Thermal Decomposition: Do not heat to temperature exceeding 300 C°

11. TOXICOLOGICAL INFORMATION

- 11.1 Oral Toxicity: Polyolefins are biologically inert
- 11.2 Inhalation: Irritation due to dust or if heated vapor or fumes may cause irritation.
- 11.3 Skin Irritation: Non-irritating
- 11.4 Sensitization: None
- 11.5 Eye Contact: Non-irritating unless dust is present.
- 11.6 Further Details: None

12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity: slowly biodegradable
- 12.2 Mobility (groundwater): floats on surface, not dangerous for aquatic life
- 12.3 Persistence and degradability: Low soil mobility
- 12.4 Bioaccumulative potential
- 12.5 Other adverse effects: None

13. DISPOSAL CONSIDERATIONS

- 13.1 Product: Do not pour pellets into drains, can be incinerated in a municipal waste program for plastics.
- 13.2 Packaging: Per local regulations. Do not reuse packaging.
- 13.3 Waste Disposal Code: According to local regulations

14. TRANSPORT INFORMATION

- 14.1 UN Number: N/A
- 14.2 Class:
- 14.3 Proper shipping name:
- 14.4 Packing group:

14.5 Marine pollutant:

14.6 Other applicable information: Not restricted for transport for any of the above

15. REGULATORY INFORMATION

15.1 Labeling information: Not classified according to EEC 67/548/EEC and 1999/45/EC

16. OTHER INFORMATION

16.1 The information contained herein is based on the present state of our knowledge and is intended to describe the materials used in our products from the point of view of safety requirements. Therefore, it should not be construed as guaranteeing specific properties.

16.2 Revision Date: November 29, 2006