

**G&H® Wire Company**2165 Earlywood Drive  
Franklin, IN 46131

(317) 346-6655 International

(317) 346-6663 Fax

E-mail: ghmail@ghwire.com

**MATERIAL SAFETY DATA SHEET DIRECTIVE 91/155/EEC**

---

**1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION**

---

- 1.1 Product or Family Name: TLC Tongue, Lip & Cheek Retractor
- 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 Material: LEXAN Polycarbonate Polymer. Synthetic thermoplastic polymer used to produce molded articles.
- 2.2 Per Directive 1999/45/EC this product/product family is not classified as dangerous or a health or workplace hazards.
- 2.3 Concentration: NA
- 2.4 R-phases: None
- 2.5 CAS#/EINECS #: This product does not contain any reportable hazardous materials

---

**3. HAZARDS IDENTIFICATION**

---

- 3.1 When used appropriately, no adverse effects are known to be caused by the product.
- 3.2 Dangerous substances: N/A

---

**4. FIRST-AID MEASURES**

---

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

- 4.1 Inhalation: Processing fumes may be irritating to respiratory tract, remove to fresh air and obtain medical advice. Under normal circumstances there is no hazard to the respiratory tract.
- 4.2 Skin Contact: During processing the material could cause dermatitis and if rash develops clean area with soap and water. If material is hot flush with cold water and cover with clean dressing and get medical attention.
- 4.3 Eye Contact: Remove contact lenses and flush for 20 minutes. If particles remain seek medical attention.
- 4.4 Ingestion: No hazard with normal handling. Do not induce vomiting, seek medical attention.

---

**5. FIRE-FIGHTING MEASURES**

---

- 5.1 Suitable Extinguishing Media: Water Spray and Foam
- 5.2 Unsuitable Extinguishing Media: Carbon dioxide and dry chemicals because lack of cooling may permit re-ignition.
- 5.3 Particular Hazards: Material not sensitive to mechanical impact but is sensitive to static discharge under dust cloud conditions.
- 5.4 Special Protective Equipment for Firefighters: Self contained breathing apparatus.

---

## 6. ACCIDENTAL RELEASE MEASURES

---

- 6.1 Personal Precautions: NA
- 6.2 Environmental Precautions: NA
- 6.3 Cleaning Methods, such as: Gather and store in a closed container pending waste disposal. Allow molten material to solidify before disposal.

---

## 7. HANDLING AND STORAGE

---

- 7.1 Handling: Avoid excessive heat and ignition sources that might ignite dust. Provide adequate ventilation.
- 7.2 Storage: Keep area clean to avoid dust buildup. Follow recommendations on labeling.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

- 8.1 Exposure Limit Values: TLV-TWA
- 8.2 Exposure Controls: Ventilation in the workplace is required
  - 8.2.1 Occupational Exposure Controls: Personal Protective Clothing and Equipment:
    - 8.2.1.1 Respiratory: When processing material at elevated temperatures or grinding use an approved respirator.
    - 8.2.1.2 Hand Protection: When handling pellets wear long pants, long sleeves, insulated gloves and a face shield during the melt process.
    - 8.2.1.3 Eye Protection: Safety glasses with side shields.
    - 8.2.1.4 Skin Protection: Use full face shield when cleaning processing dust from ventilation equipment.
  - 8.2.2 Environmental Exposure Controls:

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

- 9.1 General Information:
  - 9.1.1 Physical State( solid, liquid, gas): Solid, plastic pellets
  - 9.1.2 Color: Clear
  - 9.1.3 Odor: Slight plastic odor
- 9.2 Important health, safety and environmental information
  - 9.2.1 Melting Point/Range: This material does not exhibit a sharp melting point but softens gradually over a wide range of temperatures.
  - 9.2.2 Flash Point: None
  - 9.2.3 Flammability (solid/gas): Requires a continuous flame source to ignite.
  - 9.2.4 Explosive Properties: NA
  - 9.2.5 Vapor Pressure: Negligible
  - 9.2.6 Solubility:

(a) Water-Insoluble

(b) Solvents- Negligible

9.2.10 Partition coefficient: n-octanol/water:

9.2.12 Vapor Density: Negligible

9.2.13 Evaporation Rate: Negligible

---

## 10. STABILITY AND REACTIVITY

---

10.1 Conditions to Avoid: Do not exceed melt temperature

10.2 Materials to Avoid: Not reactive under normal handling and storage

10.3 Hazardous Decomposition Products: Processing fumes evolved at recommended processing conditions may include trace levels of phenols, alkylphenols and/or diarylcarbonate.

10.4 Thermal Decomposition

---

## 11. TOXICOLOGICAL INFORMATION

---

11.1 Oral Toxicity: None

11.2 Inhalation: None

11.3 Skin Irritation: Material not considered a primary irritant or skin sensitizer

11.4 Sensitization: Same as above

11.5 Eye Contact: Material is not considered primary eye irritant. Dust can cause slight redness consistent with the slightly abrasive nature of the resin particles.

11.6 Further Details:

---

## 12. ECOLOGICAL INFORMATION

---

12.1 Ecotoxicity: This material is not expected to be harmful to ecology

12.2 Mobility (groundwater): NA

12.3 Persistence and degradability: NA

12.4 Bioaccumulative potential: NA

12.5 Other adverse effects: NA

---

## 13. DISPOSAL CONSIDERATIONS

---

13.1 Product: Recycling is encouraged. Landfill or incinerate in accordance with federal, state and local requirements.

13.2 Packaging: Same as above

13.3 Waste Disposal Code: No data

---

## 14. TRANSPORT INFORMATION

---

14.1 UN Number: NA

14.2 Class: NA

14.3 Proper shipping name: NA

14.4 Packing group: NA

14.5 Marine pollutant: NA

14.6 Other applicable information: NA

---

**15. REGULATORY INFORMATION**

---

Give the health, safety and environmental information shown on the label according to DIR 67/548/EEC

15.1 Labeling information: NA

---

**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 Release date: 05-31-07