

**G&H® Wire Company**2165 Earlywood Drive
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MATERIAL SAFETY DATA SHEET DIRECTIVE 91/155/EEC

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

1.1 Chemical Nature, Sales Name, Use: Polyurethane Elastomer, Dental, Safety Module Strap

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

Polyurethane from Methylenediphenyl diisocyanate, 1, 4-butanediol, and polytetramethylene glycol

3. HAZARDS IDENTIFICATION

- 3.1 Eye: Solid or dust may cause irritation or corneal injury due to mechanical action. Elevated temperatures may generate vapor levels sufficient for cause eye irritation.
- 3.2 Skin: Essentially nonirritating to skin. Skin absorption is unlikely due to physical properties. Molten material may burn skin.
- 3.3 Ingestion: Single dose oral toxicity is considered to be extremely low. No hazards anticipated from swallowing small amounts incidental to normal handling operations.
- 3.4 Inhalation: Dust may cause irritation to upper respiratory tract. At room temperature, exposure to vapors are unlikely due to physical properties; normal processing temperatures may generate vapors which may cause irritation if ventilation is inadequate.
- 3.5 Systemic Effects: No specific data; however, repeated exposures to the unheated material are not anticipated to cause any significant adverse effects. Processing fumes may cause eye and respiratory irritation upon repeated exposure.

4. FIRST-AID MEASURES

- 4.1 Inhalation: Move to fresh air if effect occur and consult a physician.
- 4.2 Skin Contact: Wash with water.
- 4.3 Eye Contact: Flush thoroughly with water, consult a physician

- 4.4 Ingestion: While ingestion of large enough quantities to cause health effects is unlikely, consult a physician if it occurs.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable Extinguishing Media: Foam, Dry Chemical or NFPA Class B extinguisher
5.2 Unsuitable Extinguishing Media:
5.3 Particular Hazards: Dense smoke is emitted when burned without sufficient oxygen. Mechanical handling can cause formation of dusts. To reduce the potential for dust explosion, do not permit dust to accumulate.
5.4 Protective Equipment for Fire Fighters: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions: N/A
6.2 Environmental Precautions: N/A
6.3 Cleaning Methods: Dispose of in accordance with state, local, and federal regulations

7. HANDLING AND STORAGE

- 7.1 Handling: Good housekeeping and controlling of dusts are necessary for safe handling of product.
7.2 Storage: Store in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Local exhaust ventilation may be necessary for some operations.

- 8.1 Eye/Face Protection: Use safety glasses. If there is a potential for exposure to particles which could cause mechanical injury to the eye, wear chemical goggles. If vapor exposure causes eye discomfort, use a full-face respirator.
8.2 Skin Protection: No precautions other than clean body-covering clothing should be needed. Use gloved with insulation for thermal protection, when needed.
8.3 Respiratory Protection: In dusty atmospheres, use an approved dust respirator. For most conditions, no respiratory protection should be needed; however, if handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Form: Solid
Color: Clear
Odor: Odorless
9.2 Change of State:
Melting Point/Range:
Boiling Point:
9.3 Flash Point
9.4 Ignition Point:
9.5 Vapor Pressure (20°C): N/A

- 9.6 Density (20°C):
- 9.7 Solubility in: Water (20°C):
Organic Solvent (20°C):
- 9.8 PH-Value (at 10g/1H₂O): N/A
- 9.10 Viscosity (20°C): N/A

10. STABILITY AND REACTIVITY

- 10.1 Thermal Decomposition: Not known
- 10.2 Conditions to Avoid: Not known
- 10.3 Materials to Avoid: Not known
- 10.4 Hazardous Decomposition Products: Not known

11. TOXICOLOGICAL INFORMATION

- 11.1 Oral Toxicity: Not defined
- 11.2 Inhalation: Not defined
- 11.3 Skin Irritation: Not defined
- 11.4 Sensitization: Not defined
- 11.5 Eye Irritation: Not defined
- 11.6 Further Details:

12. ECOLOGICAL INFORMATION

- 12.1 Acute Toxicity in Fish (LC-50/48h)
- 12.2 Bacteria Toxicity (EC-0):
- 12.3 Biodegradability: No appreciable bio-degradation is expected.
- 12.4 Further Details:

13. DISPOSAL CONSIDERATIONS

- 13.1 Product: Do not dispose of into sewer, body of water, or on the ground. Dispose of in accordance with state, local, and federal regulations
- 13.2 Packaging: In accordance with state, local, and federal regulations
- 13.3 Waste Disposal Code: In accordance with state, local, and federal regulations

14. TRANSPORT INFORMATION

- 14.1 Overland Transport ADR/RID/GGVS/GGVE:
- 14.2 Sea Transport GGVSEA/IMDG-Code:
- 14.3 Air Transport ICAO/IATA-DGR:
- 14.4 Inland Waterway Transport ADNR:
- 14.5 Further Details:

15. REGULATORY INFORMATION

Preparation as defined by the (German) Chemicals Act (dated 4/03/1990).

- 15.1 Labeling:

- Product Contains:
- Danger Symbol:
- R-Sentences R36/37/38:
- S-Sentences S26:
- S-Sentences S28:
- 15.2 National Regulation:
 - VbF:
 - TA-Air:
 - Water Pollution 1:

16. OTHER INFORMATION

- 16.1 The information contained herein is based on the present state of our knowledge and is intended to describe 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 28, 2006