



G&H® Wire Company

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Franklin, IN 46131

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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: Thermoplastic Polyurethane, Composite, Coating for orthodontic appliances(Facebows)
- 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

isocyanate, long-chain macrodiol, short-chain diol extender
Trace elements may be present in minute amounts

3. HAZARDS IDENTIFICATION

Diphenylmethane 4,4 Diinocyanate (MDI)

4. FIRST-AID MEASURES

- 4.1 Inhalation: N/A
- 4.2 Skin Contact: No documented irritations
- 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: None known
- 5.4 Protective Equipment for Fire-Fighters: Wear self contained breathing aparatus

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: N/A
- 7.2 Storage: N/A
- 7.3 Storage Conditions: N/A

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Form: Solid
Color:
Odor: Odorless
- 9.2 Change of State:
Melting Point/Range:
Boiling Point: 144 degrees C
- 9.3 Flash Point
- 9.4 Ignition Point:
- 9.5 Vapor Pressure (20°C): N/A
- 9.6 Density (20°C): 1.22 g/cm³
- 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: N/A
- 10.2 Conditions to Avoid: N/A
- 10.3 Materials to Avoid: N/A
- 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:
- 12.4 Further Details:

13. DISPOSAL CONSIDERATIONS

- 13.1 Product: 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