



G&H® Wire Company

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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: Composites, Composite brackets, used in orthodontic products.

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: Poison control center

2. COMPOSITION/INFORMATION ON INGREDIENTS

Thermoplastic Polyurethane Medical Grade
Diphenylmethane 4,4-Diisocyanate (MDI)
Polyether Polyol based on Diisocyanate glycol

This listing is a summary of elements used in the raw materials components. Trace elements may be present in minute amounts

3. HAZARDS IDENTIFICATION

None

4. FIRST-AID MEASURES

4.1 Inhalation: Move person to fresh air, consult a physician

4.2 Skin Contact: Prolonged contact may cause irritations in sensitized persons.

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.

5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media: Foam, Dry Chemical or NFPA Class B Extinguisher

5.2 Unsuitable Extinguishing Media: N/A

5.3 Particular Hazards: None

5.4 Protective Equipment for Fire-Fighters: N/A

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions: N/A

6.2 Environmental Precautions: N/A

6.3 Cleaning Methods: N/A

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: ND
Boiling Point: high

9.3 Flash Point: 240 Degrees C

9.4 Ignition Point: N/A

9.5 Vapor Pressure ND

9.6 Density ND

9.7 Solubility in: Water (20°C): insoluble

9.8 PH-Value (at 10g/1H₂O):

9.10 Viscosity (20°C):

10. STABILITY AND REACTIVITY

- 10.1 Thermal Decomposition: stable
- 10.2 Conditions to Avoid: N/A
- 10.3 Materials to Avoid: N/A
- 10.4 Hazardous Decomposition Products: N/A

11. TOXICOLOGICAL INFORMATION

- 11.1 Oral Toxicity: Not available
- 11.2 Inhalation: Not available
- 11.3 Skin Irritation: Not available
- 11.4 Sensitization: Not available
- 11.5 Eye Irritation: Not available
- 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: Dispose of in accordance with local, state, and federal regulations
- 13.2 Packaging: Dispose of in accordance with local, state, and federal regulations
- 13.3 Waste Disposal Code: Dispose of in accordance with local, state, 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.