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 Diisocyanate (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 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: 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):

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