MATERIAL SAFETY DATA SHEET DIRECTIVE 91/155/EEC

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

1.1 Chemical Nature, Sales Name, Use:  Thermoplastic, Non-latex, Orthodontic use: Intraoral elastics

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

- styrene-butadiene-styrene block polymer
- mineral oil
- zinc stearate
- antioxidant/stabilizers
- magnesium carbonate
- calcium stearate

3. HAZARDS IDENTIFICATION

Hazards are minimal due to nature of product.

4. FIRST-AID MEASURES

4.1 Inhalation: Move to fresh air if irritation occurs.
4.2 Skin Contact: Wash with soap and water if irritation occurs.
4.3 Eye Contact: Wash with water if irritation occurs.
4.4 Ingestion: No historical evidence of toxicity.

5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media: Water fog, foam, dry chemical, CO2
5.2 Unsuitable Extinguishing Media:
5.3 Particular Hazards: Cool fire exposed containers with water.
5.4 Protective Equipment for Fire-Fighters: Full bunker gear, self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions: If exposure may or does exceed occupational exposure limits use a NIOSH-approved respirator to prevent overexposure.

6.2 Environmental Precautions:
6.3 Cleaning Methods: Shovel and sweep up or use industrial vacuum cleaner. Avoid generating dust clouds. Put into containers for reclaiming or disposal.

7. HANDLING AND STORAGE

7.1 Handling: Rubber has a tendency to accumulate static charge during transport, handling, and processing. Static charge buildup can be a potential fire hazard when used in presence of volatile or flammable mixtures. In processing do not allow temperature to exceed 450 degrees F. Maintain a fire watch if 450 degrees F is reached or exceeded.

7.2 Storage: Store in a cool dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection – If exposure may or does exceed occupational exposure limits use a NIOSH-approved respirator to prevent overexposure.
Protective Clothing – Safety glasses and protective clothing should be worn when product is heated in processing.
Additional Protective Measures – Ventilation as required to control dust concentration in air. Adequate ventilation and/or engineering controls are required when product is heated in processing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Form: solid
Color:
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):
9.6 Density (20°C): specific gravity < 1
9.7 Solubility in: Water (20°C):
Organic Solvent (20°C):
9.8 PH-Value (at 10g/1H2O):
9.10 Viscosity (20°C):

10. STABILITY AND REACTIVITY

10.1 Thermal Decomposition: Yes
10.2 Conditions to Avoid: Product contains residual un-saturation which can undergo exothermic oxidative degradation. Accumulation of product in areas exposed to elevated temperatures for extended periods in air may result in self-heating and auto ignition.

10.3 Materials to Avoid: Avoid contact with strong oxidizing agents.

10.4 Hazardous Decomposition Products: Potentially toxic/irritating fumes.

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 local, state, and federal regulations.
13.2 Packaging: In accordance with local, state, and federal regulations
13.3 Waste Disposal Code: In accordance with local, state, and federal regulations

14. TRANSPORT INFORMATION

14.1 Overland Transport ADR/RID/GGVSE/ADN:
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:
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