

**G&H® Wire Company**2165 Earlywood Drive
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: Polyisoprene rubber (K-100 amber), orthodontic use, intraoral and extraoral use
- 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

Chemical Name 1,3 Butadiene, 2- Methyl, Homopolymer

Nonhazardous Components:

Natural Rubber	95-97%
Sulfur	0-1%
Zinc Oxide	0-1%
Polymeric Hindered Phenol	1-2%
Carbamate derivative	0-1%

3. HAZARDS IDENTIFICATION

Based upon data this product is not hazardous under OSHA hazard communication (29 CFR 1910.1200)
The nonhazardous components of this product meet FDA 21 CFR 177.26

4. FIRST-AID MEASURES

- 4.1 Inhalation: No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary. If exposed to fumes from overheating or combustion, move to fresh air. Consult a physician if symptoms persist.
- 4.2 Skin Contact: Allergic reactions may occur in some people. Consult a physician if symptoms persist.
- 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 water.

- 5.2 Unsuitable Extinguishing Media: N/A
- 5.3 Particular Hazards: When exposed to flame, emits oxides of carbon and other acrid fumes such as sulfur dioxide and carbon monoxide. No explosive hazards
- 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: Keep closed to avoid contamination.
- 7.3 Storage Conditions: Store at room temperature. Do not overexpose to light.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

FDA Label law requires labeling of medical devices with natural rubber latex in them. The warning reads “Caution: This product contains natural rubber latex with may cause allergic reaction”.

Workers exposed to latex gloves and other medical products containing natural rubber latex may develop allergic reactions such as skin rashes, hives, eye or sinus symptoms, asthma and (rarely) shock.

Persons allergic to fruits or persons with spina bifida may be allergic to natural rubber.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Form: Solid
Color: Colored
Odor: Rubber
- 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): .95
- 9.7 Solubility in: Water (20°C): N/A
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: Stable
- 10.2 Conditions to Avoid: High temperatures. Flames cause oxides of carbon
- 10.3 Materials to Avoid: N/A
- 10.4 Hazardous Decomposition Products: N/A.

11. TOXICOLOGICAL INFORMATION

- 11.1 Oral Toxicity: N/E
- 11.2 Inhalation: N/E
- 11.3 Skin Irritation: N/E
- 11.4 Sensitization: See Section 8
- 11.5 Eye Irritation: N/E
- 11.6 Further Details: See Section 8

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