



Orthodontic Products 2165 Earlywood Drive
Franklin, IN 46131 U.S.A.
800-526-1026 U.S. & Canada
(317) 346-6655 International
(317) 346-6663 Fax
Email: ghmail@ghwire.com
Web: www.ghwire.com
f facebook.com/ghwire
t twitter.com/ghwire

MATERIAL SAFETY DATA SHEET

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Product Name: Power Linx Chain
Chemical Family: Thermosetting Polyurethane
Chemical Name: Polyurethane Polyester Elastomer
Formula: Confidential

Company Identification:
G&H Wire Company
P.O. Box 248
Greenwood, Indiana 46142
Telephone: 317-346-6655 (Emergency Contact Number)
Facsimile: 317-346-6663

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Polyurethane Polyester Elastomer

Ingredients Natural Clear Material	CAS #	% Vol.
Isocyanate (4,4' diphenylmethane diisocyanate)	101-68-8	60.0
Polyol (Polyethylene Adipate)	Confidential	30.0
1, 4-Bis (B-Hydroxyethoxy) Benzene (BHEB)	104-35-1	10.0

Ingredients Grey Material		
Isocyanate (4,4' diphenylmethane diisocyanate)	101-68-8	59.0
Polyol (Polyethylene Adipate)	Confidential	29.7
1, 4-Bis (B-Hydroxyethoxy) Benzene (BHEB)	104-35-1	9.9
Titanium Oxide/Carbon Black Colorant	None stated	0.9

3. HAZARDOUS INGREDIENTS

Potential Health Effects:
Medical Conditions aggravated by Exposure: Not Applicable
Exposure Limit: Not Applicable
Possibility to Health: Not Applicable
Inhalation Route: Contact to eyes by impalpable powder
Signs and Symptoms of Overexposure: Not Applicable
Instant Inhalation: Not Applicable
Long Period Inhalation: Not Applicable
Instant Contact to Eyes: Possibility of unconscious stimuli by impalpable powder

Long Period Contact to Eyes: No available information
Carcinogenicity: Not Applicable

4. PHYSICAL PROPERTIES

Physical Form: Solid
Color: Cloudy/Grey
Odor: Odorless
pH: No data

5. FIRE AND EXPLOSION DATA

Flash Point Not Applicable
Flammable Limits:
Upper Explosive Limit (UEL) (%): Not Applicable
Lower Explosive Limit (LEL) (%): Not Applicable
Extinguishing Media: Not Applicable
Special Fire Fighting Procedures: Not Applicable

6. HUMAN HEALTH DATA

Route(s) of Entry: Eye contact with fines (dust)
Human Effects and Symptoms of Overexposure:
Acute Effects of Exposure: None Known
Chronic Effects of Exposure: None Known
Carcinogenicity: None Known
Medical Conditions Aggravated by Exposure: None Known
Exposure Limits: None Known

7. EMERGENCY AND FIRST AID PROCEDURES

First Aid for Eyes: Flush completely with plenty of tepid water.
First Aid for Skin: Wash with soap and water.
First Aid for Inhalation: Remove to fresh air.
First Aid for Ingestion: Get medical attention

8. EMPLOYEE PROTECTION RECOMMENDATIONS

Eye Protection Requirements: None
Skin Protection Requirements: None
Respirator Requirements: None
Additional Protection Guidelines: None

9. REACTIVITY DATA

Stability: This is a stable material.
Hazardous Polymerization: Will not occur.

Incompatibilities: None known.
Instability Conditions: None known.
Decomposition Products: None known.

10. SPILL AND LEAK PROCEDURES

Spill or Leak Procedures: Sweep up mechanically

11. SPECIAL PRECAUTIONS & STORAGE DATA

Storage Temperature (Min/Max): Normal Temperature
Shelf Life: 2 years
Special Sensitivity: Moisture
Handling/Storage Precautions: Pack in the sealed receptacle and store in a clean and dry place

12. SHIPPING INFORMATION

D.O.T. Shipping Name: None
Technical Shipping Name: Polyurethane Polyester Elastomer
D.O.T. Hazard Class: Non-Regulated
U.N./N.A. Number: None
Product Rq (lbs.): None
D.O.T. Label: None
D.O.T. Placard: None
Freight Class Package: None
Product Label: Polyurethane Polyester Elastomer

13. ANIMAL TOXICITY DATA

No animal toxicity information available.

14. FEDERAL REGULATORY INFORMATION

OSHA Status: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, thermal processing and decomposition fumes from this product may be hazardous as noted in Section V.

TSCA Status: Unknown

CERCLA Reportable Quantity: Unknown

SARA Title III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazard Categories: Non-hazardous under Section 311/312.

Section 313 Toxic Chemicals: None

SCRA Status: If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

15. OTHER REGULATORY INFORMATION

California Proposition 65

To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

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: 03-19-2014