Röchling Industrial

Safety Data Sheet

Glasrod HIR

Company

Röchling Industrial Cleveland
4321 Glenridge Road
Cleveland, OH 44121 -2189
Tel: (216) 486-0100
Fax: (216) 486-1091

1. Identification

Product identifier	
Product Name	Glasrod HIR
Other means of identification	
Product Code(s)	HIR
Synonyms	None
Recommended use of the chemical and restrictions on use	
Recommended use	High flexural strength for high temperature applications.
Uses advised against	No information available.
Details on the supplier of the safety data sheet	
Supplier Name	Röchling Industrial Cleveland
Supplier Address	4321 Glenridge Road Cleveland, Ohio 44121-2189
Supplier Phone Number	(216) 486-0100
Emergency Phone number	(216) 486-0100 (8am to 5pm)
Chemical Emergency Phone Number	(216) 287-8898 (24 hours)

Safety Data Sheet

Glasrod HIR

2. Hazards Identification

Classification

In its manufactured and shipped state, the product is considered non-hazardous. When processing the material, it may generate dust and particulate matter.

GHS Information	Not classified as a hazardous substance.
Hazard Statement (USA)	Not classified as a hazardous substance.
Hazard Statement (EU)	Not classified as a hazardous substance.
Signal Word	Not Applicable
Hazard Pictogram	Not Applicable
Other Labeling Requirements	Not Applicable

Emergency Overview

Dust generated by processing product may cause irritation of eyes, skin, mucous membranes, and respiratory tract. Wear appropriate personal protective equipment. Keep individuals not involved in the clean-up out of the area. Pick up released product with appropriate implements and return to original container if reusable. If not reusable, place in appropriate containers for disposal. Although the product itself is non-hazardous, material collected during clean-up operations may be contaminated and should be treated as hazardous unless specific testing, including TCLP, shows the collected material to be non-hazardous. Product is not expected to present an environmental hazard.

Precautionary Statements – Prevention

Wear appropriate personal protective equipment to avoid breathing dusts and particulate matter that may be generated during processing or handling. Dusts and particulate matter may cause irritation of the eyes, skin, mucous membranes, and respiratory tract. Wear appropriate personal protective clothing. Provide adequate ventilation for all operations.

Precautionary Statements – Response

Keep individuals not involved in the clean-up of dusts out of the area.

Precautionary Statements – Storage

Pick up released product and dust with appropriate implements and return to original container if reusable. If not reusable, place in appropriate containers for disposal.

Safety Data Sheet

Glasrod HIR

Precautionary Statements – Disposal

As supplied product is non-hazardous. It should be disposed of in an EPA approved landfill in accordance with all local, state, and federal regulations. Pick up released product with appropriate implements and return to original container if reusable. If not reusable, place in appropriate containers for disposal. Contact Röchling Corporation for the pigments in a specific product, specifying the part number. Released product and dusts should be tested with applicable methods, including TCLP, to determine disposal requirements.

Hazardous not otherwise classified (HNOC)

Not Applicable.

Unknown Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity.

Potential Health Effects

Eye Contact:	Dusts and particulates may cause irritation of the eyes.
Skin Contact:	Dusts and particulates may cause irritation of the skin and dermatitis from prolonged exposures.
Skin Absorption:	Not known to be absorbed through the intact skin.
Ingestion:	Not expected to be an important route of entry into the body. Ingestion of large quantities of the product dusts or particulates may cause gastric discomfort or distress. Pre-existing kidney and liver conditions maybe aggravated by prolonged exposures to components of the product.
Inhalation:	Dusts or particulates may cause irritation of the mucous membranes and respiratory tract. Pre-existing lung conditions maybe aggravated by prolonged exposures to components of the product.

Safety Data Sheet

Glasrod HIR

Interactions with Other Chemicals

No information available.

Other Information

Dust and particulates may cause slight eye irritation.

3. Composition on Ingredients

Proprietary polymerized mixture of unsaturated polyester resins, processing aids, and fiberglass.

4. First Aid Measures

Indication of any immediate medical attention and special treatment needed

For Released Product and Dust:

Inhalation:	Remove exposed person to fresh air. If breathing is difficult, oxygen may be administered. If breathing has stopped, artificial respiration should be started immediately. Seek medical attention.
Eyes:	Flush with tepid water for at least 20 minutes, holding the eyelids wide open. Seek medical attention if irritation develops.
Skin:	Wash thoroughly with mild soap and water. Seek medical attention if irritation develops. Remove any contaminated clothing and launder thoroughly before reuse.
Ingestion:	Not expected to be an important route of entry into the body. If large amounts of product dusts or particulates are ingested, seek medical attention.
Notes to Physician:	Chronic and Carcinogenicity: Prolonged exposure to dusts or particulates may cause dermatitis. Pre-existing skin and lung conditions may be aggravated by exposure to the components of the product.

Safety Data Sheet

Glasrod HIR

5. Fire-Fighting Measures

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Product will not burn. Material in or near fires should be cooled with a water spray or fog if compatible with fire-fighting techniques for the other materials involved in the fire. A self-contained breathing apparatus, operating in the positive-pressure mode, and full fire-fighting gear should be worn for combating fires.
Unsuitable Extinguishing Media	Do not use a heavy water stream. Use of heavy stream of water may spread fire.
Specific Hazards Arising from the Chemical	**Fire:** Product is not flammable. Small chips, turnings, dust, and fines from processing may produce a class ST-1 combustible dust. **Explosion:** Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive. **Reactivity:** Hazardous reactions will not occur under normal conditions.
Hazardous Combustion Products	Do not store with or near incompatible materials cited in Section 10. Extreme heat and fire may result in dense smoke, Carbon dioxide (CO2), Carbon Monoxide (CO), oxides of nitrogen, and low molecular weight organic species whose composition and toxicity has not been determined. Good housekeeping and engineering practices should be employed to prevent the generation and accumulation of dusts. Wet mopping or vacuuming is recommended to clean up any dusts that may be generated during handling and processing.
Explosion Data	Sensitivity to Mechanical Impact: **No** Sensitivity to Static Discharge: **No**
Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure demand, MSHA/NIOSH (approved or equivalent and full protective gear).

Safety Data Sheet

Glasrod HIR

6. Accidental Release Measures

Person precautions, protective equipment, and emergency procedures

Engineering Controls	Pick up released product with appropriate implements and return to original container if reusable. If not reusable, place in appropriate containers for disposal. Not normally required under normal and expected conditions of use. If significant amounts of dust are generated during processing, the operation should be evaluated by a professional industrial hygienist and local exhaust ventilation provided if deemed necessary. Local exhaust ventilation systems should be designed by a professional engineer.
Personal Precautions	Respiratory Protection: Is not normally required under normal and expected conditions of use. If significant amounts of dust are generated during processing, the operation should be evaluated by a professional industrial hygienist and appropriate respiratory protection used, if deemed necessary. All use of respiratory protections should be in accordance with the provisions of OSHA's Respiratory Protection Standard, 29 CFR 1910.134. Eye Protection: Safety glasses with side-shields are recommended for all operations. Protective Gloves: Polymeric or cloth gloves are recommended to prevent possible irritation. A polymeric coated apron or other body covering is recommended where regular work clothing may become contaminated with the product. All soiled or dirty clothing and personal protective equipment should be thoroughly cleaned before reuse.
Environmental Precautions	Although the product itself is non-hazardous, dust and particles collected during clean-up operations may be contaminated and should be treated as hazardous unless specific testing, including TCLP, shows the collected materials to be non-hazardous.
Methods and material for containment and cleaning up	
Methods for Containment	Product is solid material. Contain spills of dusts with appropriate barriers to prevent migration and entry into sewers and surface waters.
Methods for cleaning up	Pick up released product with appropriate implements and return to original container if reusable. If not reusable, place in appropriate containers for disposal. Appropriate personal protective equipment cited above and in Section 8 should be worn during all clean-up operations. Although the product itself is non-hazardous, materials collected during

	clean-up operations may be contaminated and should be treated as hazardous unless specific testing, including TCLP, shows the collected materials to be non-hazardous.

7. Handling and Storage

Precautions for Safe Handling: Do not store with or near incompatible materials cited in Section 10. Store out of contact with the elements.

Handling: Appropriate personal protective equipment cited in Section 6 should be worn during handling. Good housekeeping and engineering practices should be employed to prevent the generation and accumulation of dusts. Wet mopping or vacuuming is recommended to clean up any dusts that may be generated during handling and processing. Wash hands and face thoroughly before eating, drinking, or smoking.

Conditions for safe storage, including any incompatibilities

Storage: Store out of contact with the elements.

Incompatible Products: None known based on information supplied.

8. Exposure Controls and Personal Protection

Control parameters

Exposure Guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Appropriate engineering controls

Engineering Measures: Not normally required under normal and expected conditions of use. If significant amounts of dust are generated during processing, the operation should be evaluated by a professional industrial hygienist and local exhaust ventilation provided if deemed necessary. Local exhaust ventilation systems should be designed by a professional engineer.

Safety Data Sheet

Glasrod HIR

Individual Protection measures, Such as personal protection equipment

Eye/Face Protection: Safety glasses with side shields are recommended for all operations.

Skin and Body Protection: Protective gloves: Cloth or polymeric gloves are recommended to prevent possible irritation.
General: A polymeric coated apron or other body covering is recommended where regular work clothing may become contaminated with the product. All soiled or dirty clothing and personal protective equipment should be thoroughly cleaned before reuse.

Respiratory Protection: Not normally required under normal and expected conditions of use. If significant amounts of dust are generated during processing, the operation should be evaluated by a professional industrial hygienist and appropriate respiratory protection used if deemed necessary. All use of respiratory protections should be in accordance with the provisions of OSHA'S Respiratory Protection Standard, 29 CFR 1910.134.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

A polymeric coated apron or other body covering is recommended where regular work clothing may become contaminated with the product. All soiled or dirty clothing and personal protective equipment should be thoroughly cleaned before reuse.

9. Physical and Chemical Properties

APPEARANCE AND PHYSICAL STATE:
Solid rods and profiles

OCTANOL/WATER PARTITIONCOEFFICIENT:
ND

VAPOR DENSITY (AIR =1):
N/A

MELTING POINT:
ND

VAPOR PRESSURE:
N/A

EVAPORATION RATE (BUTYL ACETATE = 1):
N/A

ODOR:
None

SPECIFIC GRAVITY/BULK DENSITY:
1.7 - 2.2 g/cc

Safety Data Sheet

Glasrod HIR

% VOLATILE BY VOLUME:	**BOILING POINT:**	
Not Volatile	ND	
% SOLUBILITY (H_20):	**pH:**	
<1	N/A	
OTHER:	**AUTO IGNITION TEMPERATURE:**	
N/A	N/A	
FLASH POINT:	**LEL:**	**UEL:**
N/A	N/A	N/A

10. Stability and Reactivity

Reactivity

Hazardous reactions will not occur under normal conditions.

Chemical stability

Product is stable under recommended handling and storage conditions.

Possibility of Hazardous Reactions

Hazardous reactions and polymerization will not occur.

Conditions to Avoid

Do not store with or near strong acids/bases or strong oxidizing/reducing agents; avoid generation of airborne dust or excessive dust accumulation.

Incompatibility materials

Do not store with or near strong acids/bases or strong oxidizing/reducing agents, as these materials may damage product.

Hazardous Decompositions Products

Thermal decomposition may produce dense smoke, oxides of carbon, nitrogen, and sulfur, and low molecular weight organic species whose composition and toxicity has not been determined.

11. Toxicological Information

Information on likely routes of exposure:

Product information: Not classified for acute or chronic toxicity.

Safety Data Sheet

Glasrod HIR

Inhalation: Dust from this product may cause irritation to the mucous membranes and respiratory tract.

Eye Contact: Eye contact with dust from product may cause mechanical irritation.

Skin Contact: Prolonged contact with large amounts of dust may cause mechanical irritation and dermatitis.

Chronic Symptoms: This product contains polymers which bind the hazardous components and make inhalation unlikely. If fine dust should be produced, chronic inhalation may cause reduced lung function and inflammation.

12. Ecological Information

Ecotoxicity: Detailed studies on the environmental fate of the product have not been conducted. The product is, however, not expected to present a hazard to aquatic and terrestrial flora and fauna.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Other adverse effects: No information available.

13. Disposal Considerations

Waste Treatment Methods

As supplied, the product is considered non-hazardous. It should be disposed of in an approved landfill in accordance with all local, state, and federal regulations. If processed used or dust waste product is disposed of, testing, including TCLP, should be conducted to determine hazard characteristics.

Disposal methods

As supplied, product is considered non-hazardous. It should be disposed of in an approved landfill in accordance with all local, state, and federal regulations. If processed used or dust waste product is disposed of, testing, including TCLP, should be conducted to determine hazard characteristics.

Safety Data Sheet

Glasrod HIR

Contaminated Packaging

No information available.

14. Transport Information

In accordance with DOT:	Not regulated for transport.
In accordance with IMDG:	Not regulated for transport.
In accordance with IATA:	Not regulated for transport.
In accordance with TDG:	Not regulated for transport.

15. Regulatory Information

U.S. TSCA Inventory:	All ingredients are on the inventory or are exempt from listing.
SARA Section 313:	This product does not contain any compounds which are reportable under section 313 of the Superfund Amendments and Reauthorization Act of 1986.
OSHA Hazard Communication Categories:	Irritant, Lung Hazard, Skin Hazard, Kidney Hazard, and Liver Hazard.
SARA Hazard Categories:	Not Hazardous as supplied; In use: Potential Chronic Hazard
California Proposition 65:	This product is not listed and does not contain chemicals listed in the State of California to cause cancer or reproductive toxicity.
CANADA – WHMIS Classification:	Non-hazardous. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the Information required by the Controlled Products Regulations.
European Regulations:	This product complies with REACH directive 1907/2006/EC, RoHS 2 directive 2011/65/EU, RoHS 3 directive 2015/863, and WEEE directive 2012/19/EU set forth by the European Union.

Safety Data Sheet

Glasrod HIR

In accordance with the EU directive 1907/2006/EC (REACH), article 3, no. 3, our products are clearly defined as articles not subject to registration.

The European directive regarding chemicals no. 1907/2006 (REACH) enforced on 1st June 2007 stipulates Material Safety Data Sheets (MSDS) only for dangerous substances and preparations. Our products do not fall under this scope of REACH.

16. Other information

Not Est. = Not Established; **N/A** = Not Applicable; **ND** = Not Determined

IMPORTANT NOTICE

All the information, suggestions, and recommendations pertaining to the properties and uses of the product described herein are based on tests and data believed to be accurate, however, the final determination regarding the suitability of any material described herein for the use contemplated, the manner of use, and whether the use infringes on any patents is the sole responsibility of the user. THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE. Under no circumstances shall we be liable for incidental or consequential loss or damage.