



THE GILMAN BROTHERS COMPANY

The Gilman Brothers Company
Gilman Road, Gilman, CT 03663-0038
1-860-889-8444 Fax: 1-860-889-5226

SAFETY DATA SHEET

Section 1: Product and Company Information:

Product Name: **Ryno Board White and Black**

Manufacturer: The Gilman Brothers Company, Gilman, CT

Emergency Contacts

Health Issues Information and Technical Product Information (8 a.m. - 5 p.m. ET): 1-860-889-8444

Product use: Graphic arts board for use as interior store signs, displays, printing and mounting

Section 2: Hazard Identification:

GHS Hazard class: This product does not meet the physical or environmental classification criteria of GHS

Appearance and odor: Closed cell foam board with no odor

Primary Route(s) of Exposure:

Inhalation, skin, eyes

Potential health effects:

ACUTE (short term): None

CHRONIC (long term): None

Effects of Overexposure:

None under normal conditions of use. Overexposure to dust may cause eye irritation (itching) with discomfort. Irritation of the nose and upper respiratory tract (scratchy throat) may occur in extreme exposure. Seek medical attention if condition does not go away or gets worse.

Medical Conditions Aggravated by Exposure:

Chronic respiratory or eyes conditions may worsen from exposure to these products.

Warning

If cutting with a utility knife little to no dust is created. If cutting a saw blade or sanding this product may create large amounts of dust. Dust can be irritating to the eyes, skin and respiratory system.

Section 3: Composition, Information and Ingredients

<u>Components</u>	<u>Chemical Name</u>	<u>CAS Number</u>	<u>WT-%</u>
Polystyrene crystal	Polymer	9003-53-6	50-80%
Expanding agent	Isobutane	75-28-5	0.5-3%
Paper	Cellulose	9004-34-6	30-80%
Adhesives	Adhesives	TS	2-14%

Trade secrets (TS) Some items on the SDS may be designated as trade secrets. Request for disclosure if trade secrets information to medical personnel must be made in accordance with provisions contained in 29 CFR 1910.12001 1-13

Section 4: First Aid Measures

Description of First Aid Measures

Inhalation	Remove to fresh air. If not breathing, provide CPR. Get immediate medical attention.
Skin Contact	Immediately wash skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
Ingestion	If swallowed do not induce vomiting, give large quantities of water to drink. Never give anything to an unconscious person. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms after Inhalation	May cause respiratory tract irritation.
Symptoms after Skin Contact	May cause skin irritation. Symptoms may include redness and drying of the skin.
Symptoms after Eye Contact	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/ Injuries after Ingestion	May be harmful if swallowed. May cause stomach distress, nausea, or vomiting

Section 5: Fire Fighting Measures

Suitable extinguishing medium	Use foam or dry chemical carbon dioxide or water.
Special hazards arising from the substance or mixture	Emits toxic fumes under fire conditions.
Protective actions fire-fighters	Wear standard PPE and self-contained breathing apparatus.

Section 6: Accidental Release Measures

Land:	Clean up material and place in a suitable container for non-hazardous waste removal.
Water:	This material will float and disperse with wind and current. Contain the material with booms and pickup with absorbents or adsorbent materials or remove with a vacuum truck.
Air:	This material will settle out of the air. It can then be scooped up or vacuumed for disposal as a non-hazardous waste.

Section 7: Handling and Storage

Precautions for safe handling:

Wear proper PPE
Avoid contact with eyes
Wash hands after handling material

Storage:

Store in a dry cool place.

Section 8: Exposure controls/ Personnel Protection

<u>I</u> <u>Ingredient</u>	<u>OSHA PEL (8-hrTWA)</u>	<u>ACGIH TLV (8-hrTWA)</u>
Polystyrene	5 mg/m3 (respirable dust) 15 mg/m3 (inhalable) 3 mg/m3 (total dust)	10 mg/m3
Expanding Agent	1000 ppm OSHA Standard TWA	600 ppm ACGIH Standard TWA 35
Polymer	15 mg/m3 (respirable dust) 15 mg/m3 (total dust)	mg/m3

Note: Although some of the additives used in this product may have exposure guidelines, these additives are encapsulated in the product and no exposure would be expected under normal handling conditions.

Ventilation: Provide sufficient general and/or local exhaust ventilation to maintain exposures below the PELs or TLVs. Grinding, sawing or fabrication activities can produce dust particles, which may under certain conditions form explosive atmospheres that can be ignited.

Skin Protection: None

Eye Protection: Z87 safety glasses

Work/Hygienic: Handle in accordance with good industrial hygiene and safety practices.

Section 9: Physical and Chemical Properties

Polystyrene HIPS: Appearance: White sheet

Physical state: Foam board

Odor: None

Vapor Pressure (mm Hg):	Not Applicable	Vapor Density (Air = 1):	Not Applicable
Solubility in Water:	Insoluble	Specific Gravity (H2O = 1):	0.021 -0.064
PH:	Not Applicable	Viscosity:	Not Applicable
Physical State:	Solid	Evaporation Rate:	Not Applicable
Freezing Point:	Softens @220° F (104° C)		
Boiling Point:	Decomposes > 600° F (316° C)		

Section 10: Stability and Reactivity

General: Stable

Compatible Materials and Conditions to Avoid: Hydrocarbons, esters and amines.

Hazardous Decomposition Products: None, except in fire. Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide and oxides of nitrogen.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Toxicological Properties: (HIPS) This product has not been tested as a separate entity. Caution must therefore be exercised through the prudent use of protective equipment and handling procedures to minimize exposure for hazards in which test data is either limited or does not exist.

Carcinogenicity: (foam) The following table indicates whether or not each agency has listed the ingredients as a carcinogen:

<u>Ingredient</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
Polystyrene, HIPS	No	No	No	No
Polyethylene	No	No	No	No
Expanding Agent	No	No	No	No
Polymer	No	No	No	No
	<u>LD50 Oral (g/kg)</u>	<u>LD50 Dermal (g/kg)</u>	<u>LC50 Inhalation (ppm, 4 hrs.)</u>	
Polystyrene, HIPS	Not Available	Not Available	Not Available	
Polystyrene	Not Available	Not Available	Not Available	
Expanding Agent	Not Available	Not Available	Not Available	
Polymer	Not Available	Not Available	Not Available	

Section 12: Ecological Information

This material is not expected to cause harm to animals, plants or fish.

COD: Not Determined.

Eco toxicity: Not Determined.

Section 13: Ecological Information

RCRA Hazard Class: Non-hazardous

Dispose of material in accordance with federal, state, and local regulations.

Section 14: Transportation Information

DOT Shipping Names: NotApplicable /NotRegulated

Hazard Class or Division: None

Identification No: None

Label(s)required (if not excepted) None

Special Provisions: None

Non-bulk Packaging: None

EPA Hazardous Substances: None

Quantity Limitations: Passenger Aircraft: None

Hazardous Material Shipping Description: None

Cargo Aircraft: None

Marine Pollutant: None

Secondary: Packing None

Group: Freight None

Description: None

Packaging None

Exceptions: Bulk None

Packaging: None

RQ: None

Section 15: Regulatory Information

TSCA Status: All ingredients used in this product are registered under the provisions of the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory for commercial purposes.

<u>SARA Title III:</u>	Hazard Categories:	Reportable Ingredients:
	Acute Health: No	Sec. 302/304: None
	Chronic Health: No	Sec. 313: None
	Fire Hazard: No	
	Pressure Hazard: No	
	Reactive Hazard: No	

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive effects.

WHMIS (Canada): Status: Not Controlled WHMIS Classification(s): None

Section 16: Other Information:

<u>HMIS and NFPA Hazard Rating:</u>	<u>Category</u>	<u>HMIS</u>	<u>NFPA</u>
	Acute Health	0	0
	Flammability	1	1
	Reactivity	0	0

NFPA Unusual Hazards: None
HMIS Personal Protection: To be supplied by user depending upon use.

Legal Disclaimer: *While the information herein is believed to be reliable, no guarantee is made as to its accuracy or completeness. The Conditions of use, handling, storage, and disposal, and the suitability of the product for particular uses are beyond our control. Consequently, the user assumes all risks involving the use of the product.*

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For additional information concerning this product contact The Gilman Brothers Company.