



MSDS INR HA L9
Date: May 17, 2002
Revised: September 6, 2003
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THE GILMAN BROTHERS COMPANY

The Gilman Brothers Company

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MATERIAL SAFETY DATA SHEET

Section 1: Product and Company Information

Product Name: Insite Reveal ® Heat Activated **Material Identification:** I4RH15363072NC
Tradenames & Synonyms: Insite Reveal ® Foam Board
Manufacturer: The Gilman Brothers Company, Gilman, CT
Emergency Contacts: Emergencies ONLY (after 5 p.m. ET and weekends): 1-800-852-4220
Health and Technical Contacts:
Health Issues Information and Technical Product Information (8 a.m. – 5 p.m. ET): 1-860-889-8444

Section 2: Composition and Ingredient Information

Components	Chemical Name	CAS Number	Wt. %
Paper	Cellulose	9004-34-6	55 - 75
Crystal Polystyrene	Polymer	9003-53-6	17 - 33
Expanding Agent	Isopentane	78-78-4	02 - 06
Polymer	Polymer	None Assigned	01 - 06

Note: See Section 8 of MSDS for exposure limit data for these ingredients.

Section 3: Hazards Identification

Appearance and Odor: White closed-cell foam board with no odor.
Emergency Overview: To prevent ignition, avoid smoking, keep from open flames and high temperatures. Grinding, sawing or fabrication activities can produce dust particles, which may under certain conditions form explosive dust atmospheres that can be ignited.

Primary Route(s) of Exposure: Inhalation, skin, eyes

Potential Health Effects:

ACUTE (short term): None under normal conditions of use. Inhalation of dust may cause temporary irritation to the eyes, nose or throat and coughing.

CHRONIC (long term): No long-term health effects are expected from this product. See Section 11 of MSDS for additional toxicological data.

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. Call physician if discomfort occurs.

Medical Conditions Aggravated by Exposure:

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

Section 4: First Aid Measures

Inhalation: (for dust) None under normal conditions of use. If dust is inhaled, remove to fresh air. If breathing is difficult or irritation persists, administer oxygen. Obtain medical attention.

Skin Contact: Wash with mild soap and water.

Eye Contact: (for dust) In case of eye contact, immediately irrigate with running water for at least 15 minutes. Consult a physician if necessary.

Ingestion: Rinse mouth thoroughly with water. Call a physician if discomfort occurs.

Section 5: Fire Fighting Measures

Flammable Properties: Paper and foam will burn >451° F.
Flash Point and Method: >615° F (324° C) Method – ASTM D1929
Flammability Limits (%): Not Applicable **Auto Ignition Temperature:** 910° F (480° C)
Extinguishing Media: Water spray, CO2, or dry chemical.

Unusual Fire and Explosion Hazards: Produces dense black smoke while burning. Grinding, sawing or fabrication activities of the board can produce dust particles, which may under certain conditions form explosive dust atmospheres that can be ignited.

Fire Fighting Instructions: Use self-contained breathing apparatus (SCBA) in a sustained fire. Full protective bunker turnout gear should be employed by fire fighting forces.

Hazardous Combustion Products: Primary combustion products are carbon monoxide, carbon dioxide, styrene, sulfur oxides, and hydrogen sulfide. Other undetermined hydrocarbon fractions could be released in small quantities.

Section 6: Accidental Release Measures

Land Spill: Scoop up material and put into suitable container for disposal as a non-hazardous waste.

Water Spill: This material will float and disperse with wind and current. Contain the material with booms and pick up with absorbents or adsorbent materials, or remove with a vacuum truck.

Air Release: 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

Storage Temperature: Not applicable **Storage Pressure:** Not applicable.
General Requirements: Store in a cool, dry place.

Section 8: Exposure Controls and Personal Protection

Ingredient	OSHA PEL (8-hr TWA)	ACGIH TLV (8-hr TWA)
Paper	5 mg/m ³ (respirable dust) 15 mg/m ³ (total dust)	10 mg/m ³
Polystyrene	5 mg/m ³ (respirable dust) 15 mg/m ³ (inhalable) 3 mg/m ³ (total dust)	10 mg/m ³
Expanding Agent	OSHA Standard TWA 1000 ppm	ACGIH Standard TWA 600 ppm
Polymer	15 mg/m ³ (respirable dust) 15 mg/m ³ (total dust)	35 mg/m ³

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.

Personal Protection:

Respiratory Protection: A properly fitted NIOSH/MSHA approved disposable dust respirator such as the 3M model 8210 or 8710 or model 9900 (in high humidity environments) or equivalent should be used when high dust levels are encountered. Use respiratory protection in accordance with your company's respirator protection program, local regulations and OSHA regulations under 29 CFR 1910.134

Skin Protection: None **Eye Protection:** Safety glasses during fabrication.

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

Section 9: Physical and Chemical Properties

Paper:	Appearance: White colored paper Odor: Odorless Boiling Point: Not Applicable Vapor Pressure (mm Hg): Not Applicable Vapor Density (Air = 1): Not Applicable Solubility in Water: Negligible Specific Gravity (H₂O = 1): 0.7 – 0.9 % Volatiles: Not Applicable pH: Not Applicable
Foam:	Appearance: White foam Odor: None Boiling Point: decomposes >600° F (316° C) 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 Freezing Point: Softens @ 220° F (104° C) Evaporation Rate: Not Applicable

Section 10: Stability and Reactivity

General: Stable

Incompatible 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. See Section 5 of MSDS for combustion products statement.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Toxicological Properties: (paper) 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>
Paper Fiber	No	No	No	No
Polystyrene	No	No	No	No
Expanding Agent	No	No	No	No
Polymer	No	No	No	No

	<u>LD50 Oral</u> (g/kg)	<u>LD50 Dermal</u> (g/kg)	<u>LC50 Inhalation</u> (ppm, 4 hrs.)
Paper Fiber	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.

Ecotoxicity: Not Determined.

Section 13: Disposal Considerations

RCRA Hazard Class: Non-hazardous

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

Section 14: Transportation Information

DOT Shipping Names:	Not Applicable / Not Regulated		
Hazard Class or Division:	None	Secondary:	None
Identification No.:	None	Packing Group:	None
Label(s) required (if not excepted):	None	Freight Description	None
Special Provisions:	None	Packaging Exceptions:	None
Non-bulk Packaging:	None	Bulk Packaging	None
EPA Hazardous Substances:	None	RQ:	None
Quantity Limitations: Passenger Aircraft:	None	Cargo Aircraft:	None
Hazardous Material Shipping Description:	None	Marine Pollutants:	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.

SARA Title III:	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

HMIS and NFPA Hazard Rating:	Category	HMIS	NFPA
	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, all risks involving the use of the product are assumed by the user. We expressly disclaim all warranties of every kind and nature, expressed or implied, including the warranties of merchantability and fitness for a particular purpose.*

For additional information concerning this product, contact the Technical Services Department at The Gilman Brothers Company, Inc.