



Sarnatherm Styrene

MSISFILE: STHERM

PRINT DATE: 11/20/2006
REVISION DATE: 1/2/07

Material Safety Information Sheet

(According to 29 CFR 1910.1200(b)(6)(v) this material is an article. No labeling or MSDS reporting is required.)

SECTION 1 Product and Company Identification

TRADE NAME: Sarnatherm Styrene
 SYNONYMS: Foamular Board

MANUFACTURER: Sika Sarnafil Inc.
 ADDRESS: 100 Dan Road, Canton, MA 02021-2842

EMERGENCY NUMBERS: CHEMTRAC Transportation Emergency (24 hr.) (800) 424-9300
 MSDS and Product Information (M-F, 8:30am -5:00pm EST) (800) 451-2504

SECTION 2 Information on Hazardous Ingredients

This material is considered an article according to 29 CFR 1910.1200(b)(6)(v). An article is by definition a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees.

An MSDS is required only for chemicals in products that are hazardous as defined by the OSHA standard 29 CFR 1910.1200(g). This Material Safety Information Sheet is provided in lieu of a Material safety Data Sheet.

<u>CHEMICAL/COMMON NAME</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>
Polystyrene	9003-53-6	80-90 %	not listed	not listed
1,1,1 Chlorodifluoroethane HFC-142b	75-68-3	10-15 %	not listed	not listed
Hexabromocyclododecane	3194-55-6	0.5-1.5 %	not listed	not listed

SECTION 3 Hazards Identification

EYES: Irritation, redness, tearing, and blurred vision may occur with exposure.

SKIN: Prolonged skin contact may cause skin irritation.

INHALATION: Dust may cause temporary irritation and coughing. High concentrations of ethyl chloride and chlorodifluoroethane blowing agents may cause CNS depression, anesthetic effects, and irregular heartbeats.

INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SYMPTOMS: No long-term health effects are expected.



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SECTION 4 First Aid Measures

- EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.
- SKIN:** Wash skin with mild soap and plenty of water.
- INHALATION:** Move person to fresh air. If not breathing, give oxygen and seek medical attention immediately. Trained personnel should only administer oxygen.
- INGESTION:** If swallowed, rinse person's mouth thoroughly with water and seek medical attention. ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

SECTION 5 Fire Fighting Measures

- | | | |
|----------------------------|-----------------------|-----------------------|
| <u>FLASH POINT (F/ C)</u> | <u>LEL (volume %)</u> | <u>UEL (volume %)</u> |
| 670 F/ 354 C PMCC | N/A | N/A |
- Extinguishing Media:** Dry chemical, carbon dioxide, and large volumes of water directly on flame and burning surface.
- Fire Fighting Procedures:** Wear a self-contained breathing apparatus in a sustained fire. Full protective bunker Turnout gear should be used by fire fighting forces.
- Unusual Hazards:** Material produces dense black smoke while burning. Grinding, sawing, or fabrication activities can produce dust particles, which may under certain conditions form explosive dust atmospheres that can be ignited.
- Combustion Products:** May form carbon dioxide, carbon monoxide, hydrogen bromide/chloride/fluoride, aromatic hydrocarbons (styrene & ethylbenzene).

SECTION 6 Accidental Release Measures

Use normal cleanup procedure for solid materials.

SECTION 7 Handling and Storage

Store material away from heat and flame.

SECTION 8 Exposure Controls / Personal Protection

Engineering Controls: Mechanical ventilation may be necessary if working with the product in enclosed areas due to high dust levels from grinding, sawing, or fabrication activities.

Personal Protective Equipment:

- EYES:** Safety glasses. Consult your safety representative.
- SKIN:** N/A
- RESPIRATORY:** NIOSH approved disposable dust respirator is recommended when high dust levels are encountered (3M model 8210, 8710, or in high humidity environments Model 9900). Use respiratory protection in accordance with your company's respiratory protection program, local regulations and OSHA 29 CFR 1910.134



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SECTION 8 Exposure Controls / Personal Protection, Continued. . .

Exposure Guidelines:

<u>CHEMICAL</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Polystyrene	not listed	not listed
1,1,1 Chlorodifluoroethane HFC-142b	not listed	not listed
Hexabromocyclododecane	not listed	not listed

PEL = Permissible Exposure Limits
TLV = Threshold Limit Value

TWA = Time Weighted Average (8 hr.)
STEL = Short Term Exposure Limit (15 min.)

SECTION 9 Physical and Chemical Properties

<u>APPEARANCE</u>	Rigid Cellular Foam Board
<u>ODOR:</u>	No odor
<u>BOILING POINT (@ 760 mm Hg):</u>	N/A
<u>SPECIFIC GRAVITY:</u>	0.027 to 0.064
<u>LIQUID DENSITY:</u>	N/A
<u>SOLUBILITY IN WATER:</u>	Insoluble
<u>% VOLATILE VOLUME:</u>	N/A
<u>EVAPORATION RATE (N-Butyl Acetate=1):</u>	N/A
<u>VAPOR PRESSURE (mm Hg):</u>	N/A
<u>VAPOR DENSITY (air=1):</u>	N/A

SECTION 10 Stability and Reactivity

CONDITIONS TO AVOID:

Excessive dust particles may under certain condition form explosive atmospheres that can be ignited. Avoid high temperatures >482 F / 250 C

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid aromatic hydrocarbons, high aliphatic hydrocarbons, esters, amines, and higher aldehydes.

HAZARDOUS DECOMPOSITION PRODUCTS:

May form carbon dioxide, carbon monoxide, hydrogen bromide/chloride/fluoride, aromatic hydrocarbons (styrene & ethylbenzene).

HAZARDOUS POLYMERIZATION:

Will NOT undergo hazardous polymerization.



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SECTION 11 Toxicological Information

Toxicological information is not available.

SECTION 12 Ecological Information

Ecological information is not available.

SECTION 13 Disposal Considerations

This polystyrene foam plastic is recyclable. If recycling is not an option, bury in approved landfill or burn in an adequate incinerator with excess oxygen. Dispose in accordance with applicable Federal, State, and Local regulations.

SECTION 14 Transportation Information

D.O.T. Primary Hazard Label:	Not Regulated
D.O.T. Hazard Class:	Not Regulated
D.O.T. Identification Number (UN/NA):	None Required
D.O.T. Packing Group:	Not Regulated

SECTION 15 Regulatory Information

U.S. Federal Regulations

SARA Title III, Section 302:

This product is NOT regulated under SARA Title III, Section 302 Extremely Hazardous Substances (40 CFR Part 355).

SARA Title III, Section 313:

This product does NOT contain toxic chemicals subject to the reporting requirements of SARA Title III, Section 313 (40 CFR 372) of the Emergency Planning and Community Right-To-Know Act of 1986.

State Regulations

CALIFORNIA SAFE DRINKING ACT (PROP 65 for Carcinogen and Teratogen):

This product does NOT contain any chemicals currently on the California List of Known Carcinogens and Reproductive Toxins.



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Canton, MA 02021-2842

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SECTION 16 Other Information

	<u>HMIS</u>	<u>NFPA</u>
HEALTH:	0	N/A
FLAMMABILITY:	1	1
REACTIVITY:	0	0
PERSONAL PROTECTION:	0	N/A

Sika Sarnafil Inc. Disclaimer of Expressed and Implied Warranties

The information in this Material Safety Information Sheet is offered in good faith as accurate at the date of issuance. No warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the safety of this product, or the hazards related to its use. This information and product are furnished on the condition that the person receiving it shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of use thereof. Compliance with all applicable Federal, State, and Local laws and regulations remains the responsibility of the user.