



MATERIAL SAFETY DATA SHEET

Date: August 22, 2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: HeatBloc-75 Part A
Item Number: HB-75
Chemical Name: N.A.
Comparable Products: Radiance e 0.25 Attic Barrier Part A
Company Information: STS
347 Hwy 289
Comfort, TX 78013

Emergency Phone: 830-995-5177
General Information: 830-995-5177

2. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains no hazardous materials in reportable concentrations as defined by 29 CFR 1910.1200 or WHMIS.

Note: The above components and their percentages are provided for health and safety purposes ONLY. This document should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Appearance and odor: Milky white liquid, no noticeable odor.

WARNING STATEMENTS: Harmful if swallowed. May cause eye and skin irritation

POTENTIAL HEALTH EFFECTS:

Likely routes of exposure:

EYE CONTACT: May cause slight irritation.

SKIN CONTACT: May cause slight irritation.

INHALATION: Slightly irritating to respiratory tract.

Unlikely routes of exposure:

INGESTION: Irritating to mouth, throat and stomach.

EFFECTS OF OVEREXPOSURE – CHRONIC HAZARDS: No known components of this product are listed as known or suspected carcinogens per NIOSH, NTP, IARC, OR OSHA

4. FIRST AID MEASURES

IF IN EYES: Immediately flush with large amounts of potable water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention.

IF ON SKIN: Remove clothing and wash skin with soap and water. Get medical attention.

IF INHALED: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

IF INGESTED: **DO NOT** induce vomiting – aspiration hazard. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything to an unconscious person. If spontaneous vomiting occurs, be sure to keep victim's head below hips to avoid aspiration of vomit into lungs, monitor for breathing difficulty. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT: >200 LOWER EXPLOSIVE LIMIT: N.D.
UPPER EXPLOSIVE LIMIT: N.D.

AUTOIGNITION TEMPERATURE: N.D.

EXTINGUISHING MEDIA: Alcohol Foam CO₂, or dry chemical foam, water fog

STS Material Safety Data Sheet

Material: HeatBloc-75

Item No.: HB-75

¹ Hazard Ratings: least = 0 slight = 1 moderate = 2 high = 3 extreme = 4 Based upon NPCA guidelines

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UNUSUAL FIRE AND EXPLOSION HAZARDS: No information.

SPECIAL FIREFIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASE OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Repeat sorbent/sweep cycle until the spill has dried up. Avoid runoff into storm sewers and ditches, which lead to waterways.

7. HANDLING AND STORAGE

HANDLING: Keep out of reach of children.

STORAGE: Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection when the product is mixed or applied in a poorly ventilated area or if workplace levels of ingredients exceed the TLV. Follow applicable federal, state, and local regulations.

OTHER PROTECTIVE EQUIPMENT: Where contact is likely, wear chemical resistant gloves, chemical safety goggles with a face shield, and clean protective clothing to cover arms and legs to keep exposure to a minimum.

HYGENIC PRACTICES: Do not take internally. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	milky liquid	FREEZE POINT:	N.D.
ODOR:	mild odor	VAPOR PRESSURE:	N.D.
PH @ 100.0%:	N.D.	PHYSICAL STATE:	LIQUID
BOILING RANGE:	N.D.	ODOR THRESHOLD:	N.D.
VAPOR DENSITY:	Is lighter than air	SPECIFIC GRAVITY:	1.01
SOLUBILITY IN WATER:	slight	VISCOSITY:	N.D.
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.D.			
EVAPORATION RATE: Is slower than Butyl Acetate			

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:	Long-term exposure to elevated temperatures.
INCOMPATIBILITY:	Strong bases or oxidants. Strong Lewis or mineral acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	Acrid fumes. Oxides of carbon.
HAZARDOUS POLYMERIZATION:	Will not occur under normal conditions.
STABILITY:	This product is stable under normal storage conditions.

11. TOXICOLOGICAL INFORMATION

Oral – rat LD50 (mg/kg):	no data available
Dermal – rabbit LD50 (mg/kg):	no data available
Product LC50:	no data available

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

13. DISPOSAL CONSIDERATIONS



The transportation, storage, treatment and disposal of this waste must be conducted in accordance with all applicable federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not regulated
 DOT TECHNICAL NAME: N.A.
 DOT HAZARD CLASS: N.A. HAZARD SUBCLASS: N.A.
 DOT UN/NA NUMBER: N.A. PACKING GROUP: N.A.
 DOT PLACARD AT: N.A.
 DOT CLASS NUMBER: N.A.
 UN PROPER SHIPPING NAME: Not regulated
 UN HAZARD CLASS: N.A.
 UN CLASS NUMBER: AIR N.A. MARINE: N.A.
 HAZARD SUBCLASS: AIR N.A. MARINE: N.A.
 UN UN/NA NUMBER: N.A.
 UN PACKING GROUP: AIR N.A. MARINE: N.A.
 UN PLACARD AT: N.A.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS –

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR1910.1200)

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

No SARA Section 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None known.

U.S. STATE REGULATIONS: AS FOLLOWS -

CA Proposition 65:

Warning: This product contains chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm.

CHEMICAL NAME -----	CAS NUMBER
Benzyl chloride	100-44-7
Ethyl Acrylate	140-88-5
Dioxane	123-91-1
Ethylene Oxide	75-21-8
Acetaldehyde	75-07-0

INTERNATIONAL REGULATIONS: AS FOLLOWS –

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

HMIS RATINGS – HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

PERSONAL PROTECTION: B

VOLATILE ORGANIC COMPOUNDS (VOCS): 3.56 lbs/gal or 427 grams/ltr when all components of this product are mixed and applied per Manufacturer’s instructions.

LEGEND: N.A. – Not Applicable, N.E. - Not Established, N.D. – Not determined



16. OTHER INFORMATION

This information is furnished without warranty, representation, or license of any kind, except that this information is accurate to the best of the Manufacturer's knowledge, or is obtained from sources believed by the Manufacturer to be accurate. No warranty is expressed or implied regarding the accuracy of this information or the results to be obtained from its use thereof. The Manufacturer assumes no responsibility for injuries proximately caused by use of the Material if reasonable safety procedures are not followed as stipulated in this Data Sheet. Additionally the Manufacturer assumes no responsibility for injuries proximately caused by abnormal use of the Material even if reasonable safety procedures are followed. Buyer assumes the risk in its use of the Material.

For Other Product Information Contact:

STS

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Comfort, TX 78013

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fax 830-995-5705