

## MATERIAL SAFETY DATA SHEET

Last Update: October, 2009

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Emergency Phone: CHEMTREC **800-424-9300** ANSI 2400.1 Format

Product Name: HeatBloc-Ultra Part A  
 Item Number: HB-Ultra A  
 Chemical Name: N.A.  
 Comparable Products: none known  
 Company Information: STS Coatings  
 347 Hwy 289  
 Comfort, TX 78013  
 Ph. 830-995-5177 Fax 830-995-5705  
 Prepared by: Cayce Kovacs

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

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

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

**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:

HMIG	
Health	1
Flammability	0
Reactivity	0
Protective	
Equipment	B

Appearance and odor: Milky white liquid, slight ammonia 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 CO<sub>2</sub>, or dry chemical foam, water fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None applicable.

**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

<b>APPEARANCE:</b>	milky liquid	<b>FREEZE POINT:</b>	N.D.
<b>ODOR:</b>	mild odor	<b>VAPOR PRESSURE:</b>	N.D.
<b>pH @ 100.0%:</b>	7.5	<b>PHYSICAL STATE:</b>	LIQUID
<b>BOILING RANGE:</b>	N.D.	<b>ODOR THRESHOLD:</b>	N.D.
<b>VAPOR DENSITY:</b>	Is lighter than air	<b>SPECIFIC GRAVITY:</b>	1.01
<b>SOLUBILITY IN WATER:</b>	slight	<b>VISCOSITY:</b>	N.D.
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b> N.D.			
<b>EVAPORATION RATE:</b> 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
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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: 0 REACTIVITY: 0

PERSONAL PROTECTION: B

VOLATILE ORGANIC COMPOUNDS (VOCS): 0.42 lbs/gal or 50 grams/liter 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:

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Comfort, TX 78013  
info@stscoatings.com  
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fax 830-995-5705