

**SECTION 1 PRODUCT NAME AND COMPANY IDENTIFICATION**

**Product Name:** Ultra HeatBloc Part B

**Recommended Use:** Radiant Barrier

**Restriction on Use:** None

**Manufacturer:**

STS Coatings, Inc  
 347 Highway 289  
 Comfort, TX 78013  
 (830) 995-5682

SDS Date of Preparation: 08/15/2015

Emergency Contact: (800) 424-9300 CHEMTREC (USA)

**SECTION 2: HAZARDS IDENTIFICATION**

**Hazard Classification:**

Physical	Health
Not Hazardous	Not Hazardous

This product is not classified as hazardous in accordance with the OSHA Hazard Communication Standard (29CFR 1910.1200).

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

<u>INGREDIENTS</u>	<u>CAS#</u>	<u>WT.%</u>
Aluminum powder (stabilized)	7429-90-5	65%
Flam. Sol. 1, H228; Water-react. 2, H261		
Water	7732-18-5	35%

**SECTION 4 FIRST AID MEASURES**

**Eyes:** Immediately flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation persists.

**Skin:** Generally the product does not irritate the skin. Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develops, get medical attention. Launder clothing before re-use.

**Inhalation:** If symptoms develop, move to fresh air. If symptoms persist, get medical attention.

**Ingestion:** If conscious, rinse mouth with water. Never give anything by mouth to a person who is unconscious or convulsing. If large amount is swallowed or gastrointestinal effects develop, seek medical attention.

**Most important symptoms/effects, acute and delayed:** No further relevant information available.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is not normally required.

**SECTION 5 FIRE FIGHTING MEASURES**

**Extinguishing Media:** Use any media appropriate for the surrounding fire. Dry sand, Special powders for metal fires. Do not use water.

**Special Protective Equipment and Precautions for Fire-fighters:** Do not use water. Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Do not allow run-off from firefighting to enter drains or water courses.

**Specific Hazards Arising from the Chemical:** This product is an aqueous mixture that will not burn until all water has evaporated.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Wear appropriate protective clothing to avoid eye and skin contact.

**Methods and Materials for Containment and Cleaning Up:** Dike the spilled material. Attempt to reclaim the free product, if this is possible. Place in an appropriate container for use or disposal. Collect residue with inert material (sand, diatomite, acid binders, universal binders, sawdust) and place into a closable container for disposal. Wash spill area. Prevent runoff to storm sewers and ditches leading to natural waterways. Report spill as required by local and federal regulations.

**SECTION 7 HANDLING and STORAGE**

**Precautions for Safe Handling:** Do not seal receptacles gas-tight. Keep away from heat and direct sunlight.

Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a dry, well-ventilated area. Protect from physical damage. Protect from frost. Prevent from drying out. Store in original container. Rotate stock, using older materials first. Do not reuse container for other purposes. Do not store in freezing areas. Keep above 40 °F, but less than 100 °F. Do not store in direct sunlight.

**SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION**

**Exposure Guidelines:**

INGREDIENTS	EXPOSURE LIMITS
7429-90-5 aluminum powder (stabilized)	15 mg/m3 TWA OSHA PEL (total dust) 5 mg/m3 TWA OSHA PEL (respirable fraction)
	10 mg/m3 REL (total dust) 5 mg/m3 REL (respirable fraction)

	10 mg/m <sup>3</sup> TLV
--	--------------------------

**Appropriate Engineering Controls:** No special controls usually required. Use with adequate ventilation to minimize exposures levels.

**Respiratory Protection:** If the exposure limits are exceeded a NIOSH approved respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

**Gloves:** Rubber or other impervious gloves are recommended to prevent prolonged skin contact.

**Eye Protection:** Chemical safety goggles should be worn if splashing is possible.

**Other Protective Equipment:** Impervious clothing as needed to avoid prolonged skin contact.

**Pictograms:**

Hazard Pictograms : not applicable

**SECTION 9 PHYSICAL and CHEMICAL PROPERTIES**

**Appearance And Odor:** Pasty Silver-colored, odorless

<b>Boiling Point (@ 760 mmHg):</b> 212°F (100°C)	<b>Freezing Point:</b> Not available
<b>Odor Threshold:</b> Not determined	<b>Viscosity:</b> Not applicable
<b>Relative density (H<sub>2</sub>O=1):</b> 1.8 g/cm <sup>3</sup>	<b>Vapor Pressure:</b> 23 mbar
<b>VOC:</b> < 50 g/l	<b>Vapor Density (AIR=1):</b> Not available
<b>Evaporation Rate:</b> <1 (BuOAc=1)	<b>Solubility In Water:</b> Dispersible
<b>pH:</b> Not applicable	<b>Partition Coefficient n-Octanol/Water:</b> Not available
<b>Flash Point:</b> Not applicable	<b>Auto ignition Temperature:</b> Not applicable
<b>Decomposition Temperature:</b> Not determined	<b>Flammability (solid, gas):</b> Not applicable
<b>Flammable Limits: (vol % in air)</b>	<b>LEL – Not applicable      UEL – Not applicable</b>

**SECTION 10 STABILITY and REACTIVITY**

**Reactivity:** Not normally reactive.

**Chemical Stability:** Stable under normal storage and handling conditions

**Possibility of Hazardous Reactions:** None known

**Conditions to avoid:** Do not over heat.

**Incompatible materials:** Avoid oxidizing agents, strong acids and bases.

**Hazardous decomposition products:** Thermal decomposition will produce hydrogen

**SECTION 11 TOXICOLOGICAL INFORMATION**

**Eye:** No irritating effect.

**Skin:** No irritant effect.

**Inhalation:** Inhalation of vapors or mists may cause mucous membrane and upper respiratory tract irritation

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Sensitization:** No sensitizing effects known.

**Chronic Effects:** The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version; When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**Carcinogenicity: categories**

**-IARC (International Agency for Research Cancer)**

102-71-6 / 2,2'2"-nitrotriethanol

3

**-NTP (National Toxicology Program)**

None of the ingredients is listed

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data  
**Persistence and degradability:** No data available  
**Bioaccumulative potential:** No data available  
**Mobility in soil:** No data available  
**Other adverse effects:** No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Dispose in accordance with all local, state and federal regulations.

**SECTION 14: TRANSPORT INFORMATION**

**Proper Shipping Name:** Not Regulated  
**UN Number:** None  
**Hazard Class/Packing Group:** None  
**Labels Required:** None  
**Environmental hazards:** None known  
**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable  
**Special precautions:** None known

**SECTION 15: REGULATORY INFORMATION**

**SARA Hazard Category (311/312):** Not Hazardous

**EPA SARA 313:** Not Hazardous

**CERCLA Hazardous Substances (Section 103)/RQ:** This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Toxic Substances Control Act:** All of the components of this product are listed on the TSCA inventory.

**California Proposition 65:** None of the ingredients is listed.

**Carcinogenicity categories**

**EPA (Environmental Protection Agency)**

71-36-3 / butan-1-ol

D

**TLV (Threshold Limit Value established by ACGIH)**

7429-90-5 / Aluminum Powder (stabilized)

A4

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed

**NFPA Rating:**

Health = 0

Fire = 0

Instability = 0

**HMIS Rating:**

Health = 0

Fire = 0

Physical Hazard = 0

**SDS Date of Preparation:** 08/15/2015

**Revision Summary:** Change in format and content – Hazcom 2012, Changes to all Sections.

**NOTICE**

This MSDS conforms with the OSHA Hazard Communication Standard 1900.1210 and to SARA Title III, Section 313 for supplier notification.

**SECTION 16: OTHER INFORMATION**

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product.

The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.