

# SAFETY DATA SHEET

<b>S-8900 PART B</b>	<i>SDS Number : S-8900B</i>	<i>Revision Date: 08/18/2015</i>
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**1. PRODUCT AND COMPANY IDENTIFICATION:**

Product Name: S-8900 B  
 Product Code: S-8900B  
 Product Use: Solventborne Concrete Sealer Component  
 Synonyms: Solventborne Aliphatic Polyisocyanate  
 Chemical Formula: Solventborne Aliphatic Polyisocyanate  
 Polyisocyanate Restrictions: Institutional, Commercial and Retail Concrete and Masonry Use Only



**Manufactured For:** KoolCote  
 4674 Priem Ln Ste 105  
 Pflugerville TX 78660  
 512.251.5740  
[www.koolcote.com](http://www.koolcote.com)

**Emergency contact: Chemtrec 800.424.9300**

**2. HAZARD IDENTIFICATION:**

**GHS CLASSIFICATION:**

<u><b>HEALTH</b></u>	<u><b>ENVIRONMENTAL</b></u>	<u><b>PHYSICAL</b></u>
<p><i>Acute Toxicity (Inhalation): Category 4</i>  <i>Respiratory Sensitization: Category 1</i>  <i>Skin Sensitization: Category 1</i>  <i>Specific target organ toxicity, single exposure: Category 3 (Respiratory System)</i>  <i>Specific target organ toxicity, repeated exposure : Category 2 (Lungs)</i>  <i>Aspiration Hazard: Category 1</i></p>	<p><i>Acute Toxicity: None Known</i>  <i>Chronic Toxicity: None Known</i></p>	<p><i>Flammable Liquid: Category 3</i></p>
<p><u><b>GHS Pictogram</b></u></p>	<p><u><b>Signal Word:</b></u> <b>Danger</b></p>	
<p><u><b>Hazard Statements</b></u>                      Flammable Liquid and Vapor                      Harmful if inhaled                      May cause an allergic skin reaction                      May cause allergy or asthma symptoms or breathing difficulties if inhaled                      May cause respiratory irritation                      May cause damage to organs (Lungs) through long or repeated exposure if inhaled.                      May be fatal if swallowed or enters airways.</p>		
<p><u><b>Precautionary Statements</b></u>                      Obtain special instructions before use.                      Keep away from heat/sparks/open flames /hot surfaces. No smoking.                      Take precautionary measures against static discharge.                      Wear respiratory protection/protective gloves/protective clothing/eye protection/face protection.                      Do not breathe mists, vapors or spray.</p>		

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IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. If irritation occurs and persists, get medical attention.

IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water for several minutes. Wash contaminated clothing before reuse. If irritation occurs and persists, get medical attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Severe asthmatic reactions can occur in sensitized individuals. Get medical attention immediately. Administer oxygen or artificial respiration as necessary. Asthmatic symptoms may have a delayed onset.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a physician or poison center.

Keep container tightly closed. Store in a well ventilated place.

Dispose of contents/container in accordance with local regulation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT	CAS NO.	PERCENT	HAZARDOUS
HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE	28182-81-2	60-70%	YES
N-BUTYL ACETATE	123-86-4	15-20%	YES
MIXED XYLENES	1330-20-7	12-15%	YES
HEXAMETHYLENE-1-6-DIISOCYANATE	822-06-0	0.1 – 1%	YES
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	64742-95-6	2-5%*	YES
*INCLUDES SOLVENTS LISTED BELOW WITH APPROXIMATE PERCENT RANGE IN PRODUCT			
1,2,4-TRIMETHYLBENZENE	95-63-6	0.5-2.5%	YES
1,3,5-TRIMETHYLBENZENE	108-67-8	<0.1-1%	NO
Exact Percentages are being withheld as trade secret information.			

### 4. FIRST-AID MEASURES:

**Eye Contact:** Rinse with water for 15 minutes. Remove contact lenses, if present and easy to do. If irritation occurs and persists, get medical attention.

**Skin Contact:** Remove immediately all contaminated clothing. Rinse skin with water for several minutes. Wash contaminated clothing before reuse. If irritation occurs and persists, get medical attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Severe asthmatic reactions can occur in sensitized individuals. Get medical attention immediately. Administer oxygen or artificial respiration as necessary. Asthmatic symptoms may have a delayed onset.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a physician or poison center.

### 5. FIRE-FIGHTING MEASURES:

**Unusual Fire Explosion Hazards:** In poorly ventilated areas, vapors may accumulate and travel to locations distant to the work area. Be aware of any flame or spark sources which could ignite vapors near and in range of the work area.

**Fire Extinguishing media:** Use dry chemical, carbon dioxide or alcohol-resistant foam.

**Hazards during fire-fighting:**

Containers may rupture when exposed to extreme heat.

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***Protective equipment for fire-fighting:***

Wear NFPA-approved self-contained breathing apparatus, helmet, hood, boots and gloves.

### 6. ACCIDENTAL RELEASE MEASURES:

***Personal precautions:***

Use recommended personal protective clothing and equipment, including eye protection, chemically resistant gloves and vapor respirator. To prevent slipping, do not walk through spilled material.

***Environmental precautions:***

Follow all Federal, State and Local regulations when storing and disposing of substances. Do not allow material to run off of work area, and material should be absorbed, collected and disposed of in accordance with regulations. Keep product from entering storm drains. Consult local and federal guidelines for proper disposal of these materials.

***Cleanup:***

General: In poorly ventilated areas, vapors may accumulate and travel to locations distant to the work area. Be aware of any flame or spark sources which could ignite vapors near and in range of the work area. Eliminate all ignition sources in the immediate area. Use clean non-sparking tools for spill cleanup.

- For small amounts of released material: Absorb or cover with inert absorbent, sand or dry earth. Transfer to a metal or HDPE container for disposal. - For large amounts of released material: Dike around spilled material with absorbent to contain. Absorb or cover with inert absorbent, sand or dry earth. Transfer to a metal container for disposal.

### 7. HANDLING and STORAGE:

***Handling:***

**General advice** - No specific measures are necessary provided product and recommended protective clothing/equipment are used correctly. Do not generate and breathe mists, vapors or fine spray. May only be mixed with Surtec Surpro HS Part A. Do not mix with other chemicals. This is a commercial product, not intended for home use. Keep out of reach of children.

***Storage:***

**General advice** - Protect against physical damage. Store in a cool, well ventilated area. Store in a tightly closed container as exposure to moisture may cause product to gel.

***Shelf Life:***

12 months minimum

### 8. EXPOSURE CONTROLS and PERSONAL PROTECTION:

***Advice on system design:***

Provide local exhaust ventilation to control vapors for published exposure limits.

***Personal protective equipment (HMIS rating 'I'):***

**Eye protection:** Wear safety glasses with side shields or safety goggles to prevent exposure or full face shield if splash hazard exists.

**Skin protection:** Chemical-resistant gloves. Wear appropriate protective clothing to prevent possible skin contact.

**Respiratory protection:** Product is not intended for airless or other paint spray application. Do not breathe mists, vapors or spray. Use proper NIOSH-OSHA respirator fitted with proper cartridges if mists are generated, ventilation is inadequate or exposure limits are exceeded.

**General safety and hygiene measures:** Exercise stringent hygiene practices to minimize exposure. If contact occurs, wash any body part with soap and water immediately. Wash hands after use, and before eating, drinking or smoking.

***Other protective measures:***

Nearby running water on the job site is necessary, should an accident occur.

***Exposure Guidelines:***

ACGIH TLV: 1.0 mg/m<sup>3</sup> (28182-81-2), 150 ppm (123-86-4), 25 ppm (95-63-6), 100 ppm (1330-20-7),  
0.005 ppm (822-06-0)  
STEL: 1.0 mg/m<sup>3</sup> (28182-81-2), 200 ppm (123-86-4), 150 ppm (1330-20-7)  
OSHA PEL: 150 ppm (123-86-4), 100 ppm (1330-20-7)

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### 9. PHYSICAL and CHEMICAL PROPERTIES:

Appearance:	Clear Pale Yellow Liquid	Flash Point:	82° F C.O.C.
Odor:	Solvent	Upper/Lower Flammability Limits:	No information available
pH value:	No information available	Relative Density (water):	1.06
Specific gravity:	1.06 (H2O = 1)	Auto-Ignition Temperature:	No information available
Solidification temperature:	No information available	Decomposition temperature:	No information available
Freezing/Melting point:	No information available	Partition Coefficient	No information available
Boiling point:	No information available	Odor Threshold	No information available
Vapor density:	No information available	Viscosity:	~70 cps.
Vapor pressure:	No information available	Partition Coefficient	No information available
Evaporation Rate:	No information available	Solubility in water:	None
Regulatory VOC:	<400 g/l		

### 10. STABILITY and REACTIVITY:

**Conditions to avoid:** Heat, flame, sparks.

**Substances to avoid:** Acids, alkalies, amines. Contact with water may cause polymerization.

**Hazardous reactions:** Product is stable under normal conditions of use and storage.

**Decomposition or By-products:** Contact with water or moisture may cause polymerization. In fire conditions: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), nitric oxides (NO<sub>x</sub>), hydrogen cyanide, isocyanate, isocyanic acid.

### 11. TOXICOLOGY INFORMATION:

**Acute Toxicity (Symptoms):**

**Oral:** Ingestion may cause pain, nausea, vomiting, and diarrhea.

**Eye irritation:** Irritation, redness, tearing and swelling. May cause temporary corneal injury.

**Skin irritation:** Irritation, redness, itching and swelling. Persons with allergic reaction may also experience rash.

**Inhalation:** Inhalation of vapors may cause irritation to the respiratory tract with runny nose, sore throat, coughing and difficulty breathing.

**Sensitization:** Skin: Yes. Respiratory: Yes

**Aspiration Hazard:** May be fatal if swallowed or enters airways.

**Numerical Measures of Toxicity:**

Calculated Acute Toxicity Estimates (ATE) based on available information.

ATEmix (inhalation): 14.0 mg/l

**Target Organ Effects - Single Exposure: (Respiratory System):** Sensitized individuals or individuals with pre-existing conditions may experience asthma-like symptoms from inhalation of vapors. Overexposure to vapors may cause bronchitis, bronchial spasm or pulmonary edema. Symptoms may be delayed onset.

**Chronic Toxicity:**

**Target Organ Effects – Repeated Exposure: (Respiratory System):** Repeated overexposures may cause sensitization in certain individuals to isocyanates. This sensitization may cause asthma or asthma-like symptoms even with low levels of later exposure to isocyanate. Symptoms include chest tightness, wheezing, cough, shortness of breath or asthmatic attack. Symptoms may be delayed onset. Chronic overexposure to vapors may cause permanent lung damage.

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**Carcinogenicity** - No carcinogenic substances as defined by ACGIH, IARC, NTP and/or OSHA.

## 12. ECOLOGICAL INFORMATION:

### ***Biodegradation:***

Test method: Unspecified

Analysis method: Unspecified

Degree of elimination: Not readily biodegradable.

### ***Environmental toxicity:***

Acute and prolonged toxicity to fish: Not available

Toxicity to microorganisms: Not available

Other ecotoxicological information: Not available

## 13. DISPOSAL CONSIDERATIONS:

***Waste disposal of substance:*** Dispose of in accordance with all Federal, State and Local regulations when storing and disposing of substances. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA (EPA regulations for hazardous waste).

***Container disposal:*** Dispose of in a licensed facility in accordance with local regulations.

### ***RCRA:***

Unspecified.

## 14. TRANSPORTATION INFORMATION:

### **DOT:**

**UN/ID No:** 1263

**Proper Shipping Name:** PAINT (FLASH POINT > 73°F)

**Hazard Class:** 3

**Packing Group:** III

## 15. REGULATORY INFORMATION:

### **Federal Regulations:**

#### **Registration status:**

TSCA, US:

All components are listed or exempt.

#### **SARA hazard category (EPCRA 311/312):**

Fire hazard  
Acute health hazard  
Chronic health hazard

#### **SARA TITLE III, SECTION 313:**

<b>CAS Number:</b>	<b>Chemical Name:</b>
95-63-6	1,2,4-Trimethylbenzene
1330-20-7	Mixed Xylenes

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**State Regulations:**

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm

CAS Number: \_\_\_\_\_ Chemical Name:

71-43-2 Benzene

**16. OTHER INFORMATION:**

***NFPA Rating:***

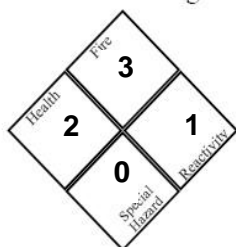
Health: 2 Fire: 3 Reactivity: 1 Special Hazard: none

***HMIS III Rating:***

Health: 2 Flammability: 3 Physical Hazard: 1  
Personal Protection: B or I (safety glasses with side shields, chemical-resistant gloves and vapor respirator (if necessary))

Both NFPA and HMIS III rating systems use a numbering scale that ranges from 0 to 4 to indicate the degree of hazard. A value of zero means the substance possesses no hazard while a value of four indicates high hazard.

NFPA Rating



HMIS Rating

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B

**Prepared:** 08/18/2015 **Revision No.:** Original

**Local Contact Information:**

KoolCote

512.251.5740

[www.koolcote.com](http://www.koolcote.com)

**Notice:** The information provided is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

**Warranty:** This is a proprietary KoolCote product, warranted to be of uniform quality within our stringent manufacturing tolerances. As no control is exercised over product use, no warranty is made as to the effects of such use (neither expressed nor implied). Obligation of the seller and manufacturer under this warranty shall be limited to a refund of the purchase price of that portion of the material proven to be defective. The user assumes all other risk and liability resulting from uses of this product. Contact KoolCote with any questions regarding this policy.