

## SB-400 STRUCTURAL DECKING ADHESIVE

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### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SB-400 STRUCTURAL DECKING ADHESIVE

**Company Name:** SUREBOND  
3925 Stern Avenue  
St. Charles, IL 60174  
Phone: (877) 843-1818

**Emergency Phone (24 hour):** CHEMTREC  
(800) 424-9300

**Chemtrec (outside USA):** (703) 527-3887

### SECTION 2 - HAZARDS IDENTIFICATION

**Routes of Entry:** Entry through inhalation and skin most likely.

**Effects of Exposure:**

**Eyes:** Can cause irritation, redness, tearing and blurred vision.  
**Skin:** Prolonged or repeated contact can cause moderate irritation, drying of the skin and dermatitis.  
**Inhalation:** Excessive inhalation of vapors can cause respiratory irritation, headache, drowsiness and fatigue. High concentrations of vapors are anesthetic and may cause central nervous system effects such as dizziness.  
**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**NFPA Hazard Codes:** Health: 1 Fire: 3 Reactivity: 0 PPE: B

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredient Name | CAS Number | Percent | TSCA |
|---------------------------|------------|---------|------|
| Light Aliphatic Naphtha   | 64742-89-8 | 10 - 15 | Y    |
| Toluene                   | 108-88-3   | 5 - 10  | Y    |
| n-Hexane                  | 110-54-3   | 5 - 10  | Y    |
| Ethanol                   | 64-17-5    | < 5.0   | Y    |

**Notes:** Remaining ingredients are not considered OSHA hazardous.

### SECTION 4 - FIRST AID MEASURES

**Eyes:** Flush eyes gently with water for at least 15 minutes lifting eyelids occasionally; get prompt medical attention.  
**Skin:** Wash thoroughly with soap and water; apply a mild skin cream. Remove contaminated clothing.  
**Inhalation:** Move affected person to fresh air; if breathing is difficult, administer oxygen; if breathing has stopped, give artificial respiration. Get medical attention.  
**Ingestion:** DO NOT INDUCE VOMITING. Get immediate medical attention.

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### SECTION IV - FIRE FIGHTING MEASURES (Flash, UEL, LEL for solvent only)

|  |   |
|--|---|
| <b>Flammability Class:</b>                 | I B   |
| <b>Flash Point:</b>                        | 0° F - 60° F (-17.78° C - 15.56° C)<br>Tag Closed Cup   |
| <b>Explosive Range (LEL/UEL):</b>          | LEL: 1%<br>UEL: 6.5%  |
| <b>Extinguishing Media:</b>                | Carbon dioxide, dry chemical, foam.<br>Use water fog to cool material in vicinity of fire.  |
| <b>Special Fire-fighting Procedures:</b>   | Use self-contained breathing apparatus with full facepiece operated in pressure demand with full protective equipment.  |
| <b>Unusual Fire and Explosion Hazards:</b> | Any closed container may rupture when exposed to extreme heat.<br>Solvent vapors are heavier than air and travel along the ground.<br>Vapors given off are flammable and may be ignited in air explosively. |

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

|  |   |
|--|---|
| <b>Steps to be Taken in Case of Spill:</b> | Eliminate all ignition sources. Ventilate confined areas.<br>(Open windows and doors). Wear appropriate protective clothing.<br>Cover with absorbent. Scoop into sealable safety container. |
|--|---|

### SECTION 7 - HANDLING AND STORAGE

#### Handling and Storage Precautions:

Keep away from heat, spark and flame.  
Keep out of reach of children.  
Keep container closed while not in use.  
Do not cut or burn receptacles that have contained a solvent based product. Do not reuse this container.  
Use only in a well ventilated area.

### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits:

|                         | ACGIH TLV  | ACGIH TLV-C | ACGIH STEL | OSHA STEL   | OSHA PEL   |
|-------------------------|------------|-------------|------------|-------------|------------|
| Light Aliphatic Naphtha | 400.00 PPM | N/Est       | N/Est      | 1000.00 PPM | 500.00 PPM |
| Toluene                 | 100.00 PPM | N/Est       | 150.00 PPM | 150.00 PPM  | 150.00 PPM |

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|          |             |       |       |       |             |
|----------|-------------|-------|-------|-------|-------------|
| n-Hexane | 50.00 PPM   | N/Est | N/Est | N/Est | 50.00 PPM   |
| Ethanol  | 1000.00 PPM | N/Est | N/Est | N/Est | 1000.00 PPM |

**Ventilation:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV. Ventilate during application and curing of this product

**Personal Protective Equipment:**

**Respiratory Protection:** If TLV of the product is exceeded, a NIOSH/MSHA jointly approved air supply respirator is advised in the absence of proper ventilation. OSHA regulations also permit the use of other types of NIOSH/MSHA respirators under specified conditions. (See your safety equipment supplier for more information)

**Protective Clothing:** Rubber gloves should be worn where skin contact is likely. Wear impervious clothing and shoes.

**Eye Protection:** Chemical goggles or safety glasses should be worn.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

|  |                                       |
|--|---------------------------------------|
| Form:                                  | Non-sag mastic                        |
| Odor:                                  | Slight, hydrocarbon                   |
| Solubility (in water):                 | Insoluble in water                    |
| pH Value, +/- .3:                      | N/A                                   |
| Boiling Range:                         | 160° F - 230° F (71.11° C - 110° C)   |
| Vapor Pressure (mmHg):                 | 155 @ 68° F (20° C)                   |
| Evaporation Rate:                      | 4.8 times faster than n-Butyl Acetate |
| Vapor Density:                         | Heavier than air                      |
| % Volatile, Weight:                    | Approx. 34. %                         |
| % Volatile, Volume:                    | Approx. 45. %                         |
| Specific Gravity:                      | 1.09266                               |
| VOC (less H <sub>2</sub> O or exempt): | < 370 g/l (34%)                       |

**Note:** Boil range, evaporation rate, vapor density and pressure for solvent only.

#### SECTION 10 - STABILITY AND REACTIVITY

**Stability:** This product is stable.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Incompatibility:** Keep away from strong oxidizing agents.

**Conditions to Avoid:** Keep away from heat, spark, open flames and any ignition source.

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**Hazardous Decomposition Products:** Will produce fumes and smoke containing carbon monoxide and dioxide under fire conditions.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**Carcinogenicity:** NTP? N/E | IARC Monographs? N/E | OSHA? NO

#### Chronic Hazards:

**NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain, nervous system, liver or kidney damage and cardiac arrhythmia. INTENTIONAL misuse of this product by deliberately inhaling its vapors may be harmful or fatal.

N-HEXANE can cause peripheral neuropathy (arm and leg damage) and central nervous system damage. Prolonged and repeated exposure has been suggested as a cause of the following effects in lab animals: liver and reproductive abnormalities, kidney, spleen, lung or eye damage.

May aggravate pre-existing disorders of these organs in humans.  
May be harmful if absorbed through skin.  
Repeated overexposure to TOLUENE may cause liver damage.  
Toluene has been found to cause kidney, lung and spleen damage in laboratory animals.

### SECTION 12 - ECOLOGICAL INFORMATION

No data available.

### SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of following local, state, and federal regulations.

### SECTION 14 - TRANSPORT INFORMATION (not all sizes available)

#### Ground Transport (DOT) - Domestic

Units less than 5 L (1.3 gallons liquid) i.e. 10 oz., 28 oz., 1 gal.  
Proper Shipping Name: CONSUMER COMMODITY  
Classification: ORM-D  
DOT Label Required: ORM-D  
Shipping Document: CONSUMER COMMODITY, ORM-D  
ERG Code: 171

Units GREATER than 5 L i.e. 5 gal. pail  
Proper Shipping Name: ADHESIVE  
Classification: CLASS 3  
DOT Label Required: Flammable Liquid, UN1133, Class 3  
Shipping Document: ADHESIVE, 3, UN1133, PGIII, for 50 gal. drum use PG II  
ERG Code: 128

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### Air Transport (DOT) - Domestic

Units less than 5 L (1.3 gallons liquid) i.e. 10 oz., 28 oz., 1 gal.  
Proper Shipping Name: CONSUMER COMMODITY  
Classification: ORM-D  
DOT Label Required: ORM-D-AIR  
Shipping Document: Consumer Commodity, ORM-D  
ERG Code: 171

Units GREATER than 5 L i.e. 5 gal. pail  
Proper Shipping Name: ADHESIVE  
Classification: Class  
DOT Label Required: Flammable Liquid, UN 1133, Class 3  
Shipping Document: ADHESIVE, 3, UN1133, PG III, for 50 gal. drum use PG II  
ERG Code: 128

### Air Transport ( IATA ) - International

Units less than 5 L (1.3 gallons liquid) i.e. 10 oz., 28 oz., 1 gal.  
Proper Shipping Name: CONSUMER COMMODITY  
Classification: class 9  
Label Required: ID8000  
Shipping Document: Consumer Commodity, 9, ID8000  
ERG Code: 9L

Units GREATER than 5 L i.e. 5 gal. pail, 50 gal. drum  
Proper Shipping Name: ADHESIVE  
Classification: Class 3  
Label Required: Flammable Liquid, UN 1133, Class 3  
Shipping Document: ADHESIVE, 3, UN1133, PGIII, for 50 gal. drum use PG II  
ERG Code: 3L

### Marine - Ocean Transport ( IMDG )

Units less than 5 L (1.3 gallons liquid) i.e. 10 oz., 28 oz., 1 gal.  
Proper Shipping Name: ADHESIVE  
Classification: Class 3  
Label Required: Flammable Liquid, UN1133, Class 3, Ltd. Qty.  
(on Ocean container only, not required on cartons)  
Shipping Document: ADHESIVE, 3, UN1133, PG III, LTD.QTY.  
EMS Code: F-E, S-D