

SB-10 PAVER BOND

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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: SB-10 Paver Bond Adhesive

Company Name: SEK/SUREBOND
3925 Stern Ave., St. Charles, IL 60174 Phone: (800) 932-3343

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

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

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: ABRASION COULD RELEASE RESPIRABLE PARTICLES OF SILICA QUARTZ, A CANCER HAZARD BY INHALATION. NORMAL USE OF THIS PRODUCT CAUSES NO SUCH RELEASE.

HIGHLY FLAMMABLE LIQUID AND VAPOR.
CAUSES SKIN IRRITATION.
CAUSES SERIOUS EYE IRRITATION.

HAZARD CLASS:

Flammable Liquid
Skin Irritation
Eye Irritation

HAZARD CATEGORY

2
2
2A

4 = Extreme 1 = Slight
3 = High 0 = Insignificant
2 = Moderate

PICTOGRAMS



PRECAUTIONARY STATEMENTS:

Prevention: Keep away from heat, sparks, open flames, hot surfaces - no smoking. Keep container tightly closed. No release into water. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Wear protective gloves, eye protection, and face protection.

Response: If on skin (or hair): Take off immediately all contaminated clothing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910. 1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

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SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	%	Chemical Name	CAS #	%
Limestone	1317-65-3	10 - 30	Pentaerythritol ester		
Kaolin	1332-58-7	10 - 30	of rosin	Proprietary	1 - 5
Acetone	67-64-1	10 - 30	Methyl Acetate	79-20-9	1 - 5
	Unknown	5 - 10		Unknown	1 - 5
			Quartz (SiO ₂)	14808-60-7	0.1 - 1

SECTION 4 - FIRST AID MEASURES

- Inhalation:** If inhaled, immediately remove the affected person to fresh air. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.
- Skin Contact:** Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.
- Eye Contact:** In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
- Ingestion:** Do not induce vomiting, seek medical advice immediately.
- Symptoms:** See Section 11.
- Notes to Physician:** Treat symptomatically and supportively.

SECTION 5 - FIRE FIGHTING MEASURES

- Extinguishing media:** Water spray (fog), foam, dry chemical or carbon dioxide. In case of fire, keep containers cool with water spray.
- Special firefighting procedures:** Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode. Wear full protective clothing.
- Unusual fire or explosion hazards:** Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors are heavier than air and may travel along floor to an ignition source.
- Hazardous combustion products:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

- Environmental Precautions:** Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Do not allow to enter sewer or waterways.
- Clean-up Methods:** Use noncombustible absorbent material such as sand. Use non-sparking tools for clean-up. Absorb spill with inert material. Shovel material into appropriate container for disposal. Wear suitable protective clothing, gloves and eye/face protection. Dispose of according to Federal, State and local governmental regulations.



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SECTION 7 - HANDLING AND STORAGE

- Handling:** Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers. Use only in well-ventilated areas. Keep out of the reach of children.
- Storage:** For safe storage, store between -20°C (-4°F) and 50°C (122°F). Keep away from heat, spark and flame. Keep containers closed when not in use.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Limestone	10 mg/m ³ TWA Total dust.	5 mg/m ³ PEL. Respirable fraction 15 mg/m ³ PEL. Total dust.	None	None
Kaolin	2 mg/m ³ TWA Respirable fraction	15 mg/m ³ PEL. Total dust. 5 mg/m ³ PEL. Respirable fraction	None	None
Acetone	500 ppm TWA 750 ppm STEL	1,000 ppm (2,400 mg/m ³) TWA	None	None
Pentaerythritol Ester of Rosin Methyl Acetate	None 200 ppm TWA 250 ppm STEL	None 220 ppm (610 mg/m ³) PEL	None None	None None
Quartz (SiO ₂)	0.025 mg/m ³ TWA Respirable fraction.	2.4 MPPCF TWA. Respirable. 0.1 mg/m ³ TWA. Respirable. 0.3 mg/m ³ TWA. Total dust.	None	None

- Engineering Controls:** Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
- Respiratory Protection:** Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists. When workplace hazards warrant the use of a respirator, appropriate respirators must be used, and a program that follows 29 CFR 1910.134 must be followed.
- Eye/Face Protection:** Safety goggles or safety glasses with side shields.
- Skin Protection:** Chemical resistant, impermeable gloves.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- Physical State:** Liquid or paste
- Color:** Light tan
- Odor:** Acetone
- Odor threshold:** Not available
- pH:** 7
- Vapor Pressure (mmHg):** Not available
- Boiling point/range:** 56 - 57°C (132.8 - 134.6°F)
- Melting point/range:** <0°C (<32°F)
- Specific gravity:** 1.39
- Vapor Density (air = 1):** 2.0



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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

Flash point:	-17°C (1.4°F)
Flammable/Explosive limits - lower:	Not available
Flammable/Explosive limits - upper:	Not available
Autoignition temperature:	Not available
Evaporation rate:	14.4
Solubility in water:	Slightly soluble
Partition coefficient (n-octanol/water):	Not available
VOC content:	.25 %; 7.5 f/l (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method)
Viscosity:	375,000 mPa.s
Decomposition temperature:	Not available

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Incompatible materials:	Strong oxidizing agents.
Reactivity:	Not available.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition.

SECTION 11 - TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Inhalation, skin contact.

Potential Health Effects/Symptoms

Inhalation:	Irritates the nose, throat and respiratory system. Exposure to high doses may cause central nervous system depression. Such doses may also cause adverse effects in the liver, kidneys and lungs. Abrasion of cured material such as by sanding or grinding could release respirable particles of silica quartz, a cancer hazard by inhalation. Normal use of this product causes no such release. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
Skin contact:	May cause irritation.
Eye contact:	Contact with eyes can cause eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Ingestion:	Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Limestone	None	Nuisance dust
Kaolin	Oral LD50 (RAT) = > 5,000 mg/kg Dermal LD50 (RAT) = >5,000 mg/kg	Nuisance dust
Acetone	Oral LD50 (RABBIT) = 5,340 mg/kg Oral LD50 (RAT) = 5,800 mg/kg Oral LD50 (RAT) = 9,800 mg/kg Dermal LD50 (RABBIT) = 20,000 mg/kg Inhalation LC50 (RAT, 8 h) = 50.1 mg/l Inhalation LC50 (RAT, 4 h) = 76 mg/l	Blood, central nervous system, irritant, reproductive
Pentaerythritol ester of rosin	None	No data
Methyl acetate	Oral LD50 (RABBIT) = 3.7 g/kg	Blood, central nervous system, eyes, irritant
Quartz (SiO2)	None	Immune system, lung, some evidence of carcinogenicity

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Limestone	No	No	No
Kaolin	No	No	No
Acetone	No	No	No
Pentaerythritol ester of rosin	No	No	No
Methyl Acetate	No	No	No
Quartz (SiO2)	Known to be human carcinogen	Group 1	No

SECTION 12 - ECOLOGICAL INFORMATION

Ecological Information: Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leading Procedure (TCLP) 40 CFR 261.20-24. If discarded, this product is considered a RCRA ignitable waste, D001.

SECTION 14 - TRANSPORT INFORMATION

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



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SECTION 15 - REGULATORY INFORMATION

United States Regulatory Information:

- TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
- TSCA 12 (b) Export Notification:** None above reporting de minimus
- CERCLA/SARA Section 302 EHS:** None above reporting de minimus
- CERCLA/SARA Section 311/312:** Fire, Immediate Health
- CERCLA/SARA 313:** None above reporting de minimus
- California Proposition 65:** This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information:

- CEPA DSL/NDSL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

SECTION 16 - OTHER INFORMATION

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Notice: The data contained herein are furnished for information only and are believed to be reliable. However, Surebond and its affiliates does not assume responsibility for any results obtained by persons over whose methods Surebond has no control. It is the user's responsibility to determine the suitability of this product or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Surebond's products. In light of the foregoing, Surebond specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Surebond's products. Surebond further disclaims any liability for consequential or incidental damages of any kind, including lost profits.