



SAFETY DATA SHEET

Section 1. Identification

Product Name: SB-10 Paver Bond Adhesive
Chemical Name: Mixture

General Description: Sealant/Adhesive
Physical Form: Paste
Color: Tan
Odor: Slight odor

Supplier's Details: SEK-Surebond Corporation
624 W. Illinois Avenue
Aurora, IL 60506
(800) 932-3343
www.sek.us.com

Emergency Telephone Number: CHEMTREC (800) 424-9300 (United States Only)
Chemtrec (outside USA): (703) 527-3887

Section 2. Hazards Identification

Physical Hazards:

HIGHLY FLAMMABLE LIQUID AND VAPOR – Category 2

Health Hazards:

SUSPECTED OF CAUSING CANCER – Category 2
ASPIRATION HAZARD - Category 1
SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD – Category 2
CAUSES SERIOUS EYE IRRITATION – Category 2A
MAY CAUSE DROWSINESS OR DIZZINESS – Category 3

NFPA PROFILE: Health 2 Flammability 3 Instability/Reactivity 0
HMIS RATINGS: Health 2 Fire 3 Physical Hazard 0

GHS Label Elements:

Hazard Pictograms:



Signal Word: Danger

Hazard Statements:

Highly flammable liquid and vapor
Causes serious eye irritation
Suspected of causing cancer
Suspected of damaging fertility or the unborn child
May cause drowsiness or dizziness

Reportable Ingredients for Labeling:

Naphtha (petroleum), solvent-refined light
Toluene
Acetone
Kaolin

Precautionary Statements:

Prevention:

Keep out of reach of children. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. Ground/bond container and receiving equipment. No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/eye protection/face protection.

Response:

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

If exposed or concerned: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use CO₂, powder or spray.

Storage:

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Disposal:

Dispose of contents and container to appropriate waste site or reclaimer in accordance with all applicable laws, regulations, and product characteristics at time of disposal.

Hazards not otherwise classified:

Results of PBT and vPvB assessment: PBT: Not applicable vPvB: Not applicable

Section 3. Composition/Information on Ingredients

Information on Ingredients:

CAS NO.	SUBSTANCE	Content	No
		Upper	
79-20-9	Methyl acetate	50	
67-64-1	Acetone	10	
1330-20-7	Xylene	10	
1333-86-4	Ethylbenzene	≤ 1.0	
102-71-6	Triethanolamine	≤ 0.5%	
119-47-1	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	≤ 0.1%	
111-42-2	2,2'-immeinodiethanol	0 - ≤	

Section 4. First Aid Measures

If Inhaled:

Supply fresh air or oxygen; call for doctor. In case of unconsciousness, place patient stably in side position for transportation.

After Skin Contact:

Immediately wash with soap and water and rinse thoroughly.

After Eye Contact:

Rinse opened eye for 20 minutes under running water. Call a Doctor immediately.

After Swallowing (Ingestion):

Rinse mouth with water. Do not induce vomiting; immediately call for medical help.

Information for Doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

Section 5. Firefighting Measures

Extinguishing Media:

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray. Use firefighting measures that suit the environment.

Special hazards arising from the substance or mixture:

No further relevant information available.

Advice for firefighters:

Firefighters use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots and in enclosed spaces, SCBA.

Protective Equipment:

Protective clothing and respiratory protective device.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear protective equipment (see section 8). Keep unprotected persons away. Ensure adequate ventilation. See section 7 for safe handling.

Environmental Precautions:

Do not allow to enter sewers/surface or ground water. See section 13 for disposal information.

Methods and Material for Containment and Cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste in accordance with federal state and local regulations. Ensure adequate ventilation. See section 13 for disposal information.

Section 7. Handling and Storage

Precautions for Safe Handling:

- Avoid contact with skin and eyes.
 - Wash thoroughly after handling.
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- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Prevent formation of aerosols.

Precautions against Fire and Explosion:

- Keep container closed when not in use.
- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.

Storage:

- Store in a cool location away from direct heat.
- Store away from oxidizing agents.
- Keep receptacle tightly sealed.
- Store in cool, dry conditions in well-sealed receptacles.

Section 8. Exposure Controls/Personal Protection

Additional information about design of technical systems: No further data; see item 7.

Control Parameters:

Components With Limit Values That Require Monitoring at the Workplace

79-20-9 Methyl Acetate

PEL	Long-term value: 610 mg/m ³ , 200 ppm
REL	Short-term value: 760 mg/m ³ , 250 ppm Long-term value: 610 mg/m ³ , 200 ppm
TLV	Short-term value: 757 mg/m ³ , 250 ppm Long-term value: 606 mg/m ³ , 200 ppm

67-64-1 Acetone

PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: 1187 mg/m ³ , 500 ppm Long term value: 594 mg/m ³ , 250 ppm BEI

1330-20-7 Xylene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/ m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long term value: 434 mg/m ³ , 100 ppm BEI

1330-20-7 Ethylbenzene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
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REL	Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/ m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long term value: 87 mg/m ³ , 20 ppm BEI

102-71-6 Triethanolamine

PEL	Long-term value: 5 mg/m ³
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111-42-2 2,2' -immeinodiethanol

REL	Long-term value: 15 mg/m ³ , 3 ppm
TLV	Long-term value: 1*mg/m ³ , 0.2 ppm Skin; *inhalable fraction and vapor

Ingredients with Biological Limit Values:

67-64-1 Acetone

BEI	50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
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1330-20-7 Xylene

BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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1330-20-7 Ethylbenzene

BEI	0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) — Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative)
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Additional Information: The lists that were valid during the creation were used as basis.

Exposure Controls:

General Protective and Hygienic Measures:

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes
- Avoid contact with the eyes and skin

Breathing Equipment:

Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations by the manufacturer.

Protective Gloves:

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Material of Gloves: Nitrile rubber (NBR)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer

Penetration Time of Glove Material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection:

Safety glasses with side shields or tightly sealed goggles.

Body Protection:

Protective work clothing

Section 9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties:

Appearance:

Physical State/Form:	Paste
Color:	Tan
Odor:	Characteristic
Odor Threshold:	Not available

Safety Parameters:

Melting point/melting range:	Undetermined
Boiling point/boiling range:	57° C (135° F)
Flash point:	-10° C (14° F)
Ignition temperature:	455.0° C (851° F)
Decomposition temperature:	Not available.
Auto Igniting:	Product is not self-igniting
Danger of Explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Flammable Limits:	
Lower:	3.1 Vol %
Upper:	16.0% Vol %
Vapor Pressure at 20°C (68°F)	220hPa (165 mm Hg)
Specific Gravity at 20°C (68°F)	1.20785 f/cm ³ (10.08 lbs/gal)
Relative Density	Not determined
Vapor Density	Not determined
Evaporation Rate	Not determined
Solubility in/Miscibility with Water:	Not soluble
Partition Coefficient (n-octanol/water):	Not determined
Viscosity:	
Dynamic	Not determined
Kinematic:	Not determined
Solvent Content:	63.1%
Other Information:	VOC – 75 f/L SCAQMD Weight Per Gallon – 10.1 lbs/gal

Section 10. Stability and Reactivity

Reactivity:

No further relevant information available.

Chemical Stability

Stable under recommended storage conditions.

Thermal Decomposition/Conditions to be Avoided:

No decomposition if used according to specifications.

Possibility of Hazardous Reactions

No dangerous reactions known.

Conditions to Avoid

Heat, flames, sparks

Incompatible Materials:

Reacts with oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide and carbon dioxide

Section 11. Toxicological Information

Information on Toxicological Effects

Acute Toxicity:

Primary Irritant Effect:

On the skin: May irritate the skin.

On the eye: Causes serious eye irritation. Vapors may be irritating to the eyes.

Sensitization: No sensitizing effects known.

Additional Toxicological Information: This product shows the following dangers according to internally approved calculations methods for preparations: Irritant

Carcinogenic Categories

IARC (International Agency for Research on Cancer)

1330-20-7	Xylene	3
100-41-4	Ethylbenzene	2B
900-55-8	1,3-butadiene-styrene block polymer	3
102-71-6	Triethanolamine	3
111-42-2	2,2'-iminodiethanol	2B

NTP (National Toxicology Program)

None of the ingredients listed

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients listed

Section 12. Ecological Information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in Environmental Systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional Ecological Information:

General notes: At present there are no ecotoxicological assessments.
PBT Assessment: Not applicable.
PBT: Not applicable.
vPvB: Not applicable.
Other Adverse Effects: No further relevant information available.

Section 13. Disposal Considerations

Waste Disposal Method

Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

Section 14. Transport Information

UN-Number

DOT, IMDG, IATA: UN1133

UN Proper Shipping Name

DOT: Adhesives
IMDG, IATA: ADHESIVES

Transport Hazard Classes

DOT:



Class: 3 Flammable Liquids
Label: 3

IMDG, IATA



Class: 3 Flammable Liquids
Label: 3

Packaging Group

DOT, IMDG, IATA: II

Environmental Hazards

Not applicable

Special Precautions For User

Warning: Flammable Liquids

Hazard Identification Number
(Kemler code)

33

EMS Number

F-E, S-D

Stowage Category

B

Transport in bulk according to Annex II

MARPOL 73/78 and IBC Code Not Applicable

Transport/Additional Information

49 CFR 173.150

§ 173.150 Exceptions for Class 3 (flammable and combustible liquids).

(a) General. Exceptions for hazardous materials shipments in the following paragraphs are permitted only if this section is referenced for the specific hazardous material in the § 172.101 Table of this subchapter.

(b) **LIMITED QUANTITIES**. Limited quantities of flammable liquids (Class 3) and combustible liquids are excepted from labeling requirements, unless the material is offered for transportation or transported by aircraft, and are excepted from the specification packaging requirements of this subchapter when packaged in combination packagings according to this

paragraph. For transportation by aircraft, the package must also conform to applicable requirements of § 173.27 of this part (e.g., authorized materials, inner packaging quantity limits and closure securement) and only hazardous material authorized aboard passenger-carrying aircraft may be transported as a limited quantity. A limited quantity package that conforms to the provisions of this section is not subject to the shipping paper requirements of subpart C of part 172 of this subchapter, unless the material meets the definition of a hazardous substance, hazardous waste, marine pollutant, or is offered for transportation and transported by aircraft or vessel, and is eligible for the exceptions provided in § 173.156 of this part. In addition, shipments of limited quantities are not subject to subpart F (Placarding) of part 172 of this subchapter. Each package must conform to the packaging requirements of subpart B of this part and may not exceed 30 kg (66 pounds) gross weight. Except for transportation by aircraft, the following combination packagings are authorized:

(1) For flammable liquids in Packing Group I, inner packagings not over 0.5 L (0.1 gallon) net capacity each, packed in a strong outer packaging;

(2) For flammable liquids in Packing Group II, inner packagings not over 1.0 L (0.3 gallons) net capacity each, packed in a strong outer packaging.

(3) For flammable liquids in Packing Group III and combustible liquids, inner packagings not over 5.0 L (1.3 gallons) net capacity each, packed in a strong outer packaging.

UN “Model Regulation”

UN 1133 ADHESIVES (Vapour pressure at 50°C not more than 110 KPA), 3 II

Section 15. Regulatory Information

Safety, Health and Environmental Regulations/Legislation Specific for The Substance Or Mixture:

SARA Section 355 (extremely hazardous substances):

None of the ingredients is listed.

SARA Section 313 (Specific toxic chemical listings):

133-20-7 Xylene

100-41-4 Ethylbenzene

111-42-2 2,2'-iminodiethanol

TSCA (Toxic Substances Control Act):

All components of this product are on the TSCA Inventory or are exempt from TSCA inventory requirements.

Proposition 65:

Chemicals known to cause cancer:

- 100-41-4 Ethylbenzene

Chemicals known to cause reproductive toxicity:

- None of the ingredients is listed

(DSL) Canada Domestic Substance List:

All components of this product are on the DSL (Canada Domestic Substance list) or are exempt from DSL requirements.

Carcinogenity Categories:

EPA (Environmental Protection Agency):

- 67-64-1 Acetone I
- 1330-20-7 Xylene I
- 100-41-4 Ethylbenzene D

TLV (Threshold Limit Value established by ACGIH):

- 67-64-1 Acetone A4
- 1330-20-7 Xylene A4
- 100-41-4 Ethylbenzene A3
- 1332-58-7 Kaolin A4
- 111-42-2 2,2'-iminodiethanol A3

MAK (German Maximum Workplace Concentration):

- 100-41-4 Ethylbenzene 3A
- 111-42-2 2,2'-iminodiethanol 3B

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

None of the ingredients is listed.

NATIONAL REGULATIONS:

Water Hazard Class:

Water hazard class 1 (self-assessment) slightly hazardous for water.

Chemical Safety Assessment:

A Chemical Safety Assessment has not been carried out.

Section 16. Other Information

Abbreviations & Acronyms:

RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO:	International Civil Aviation Organization
ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
DOT:	US Department of Transportation
IATA:	International Air Transport Association
ACGIH:	American Conference of Governmental Industrial Hygienists
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
NFPA:	National Fire Protection Association (USA)
HMIS:	Hazardous Materials Identification System (USA)
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
NIOSH:	National Institute for Occupational Safety
OSHA:	Occupational Safety & Health
TLV:	Threshold Limit Value
PEL:	Permissible Exposure Level
REL:	Recommended Exposure Limit
BEI:	Biological Exposure Limit
Flam Liq 2:	Flammable liquids, Hazard Category 2
Eye Irrit. 2A:	Serious eye damage/eye irritation, Hazard Category 2A
Carc. 2:	Carcinogenicity, Hazard Category 2
LD50:	Lethal dose, 50 percent
STOT SE 3:	Specific target organ toxicity – Single exposure, Hazard Category

Revision Information: Not relevant.

**Key Literature References
and Sources for Data:** No data available.

Training Information: No data available.

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Notice to Reader

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