



SAFETY DATA SHEET

Section 1. Identification

Product Name: SB-15 Rapid Set Adhesive
Chemical Name: Mixture

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

NFPA PROFILE: Health 2 Flammability 2 Instability/Reactivity 0

Supplier's Details: SEK-Surebond Corporation
3925 Stern Avenue
St. Charles, IL 60174
(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

OSHA/HCS Status:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Physical Hazards:

HIGHLY FLAMMABLE LIQUID AND VAPOR – Category 2

Health Hazards:

REPRODUCTIVE TOXICITY – Category 2
ASPIRATION HAZARD - Category 1
SKIN CORROSION/IRRITATION – Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) – Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) – Category 2

GHS Label Elements:

Hazard Pictograms:



Signal Word: Danger

Hazard Statements:

- H225 Highly flammable liquid and vapor.
- H315 Causes skin irritation.
- H361 Suspected of damaging fertility or the unborn child.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H304 May be fatal if swallowed and enters airways

Reportable Ingredients for Labeling:

- Naphtha (petroleum), solvent-refined light
- Toluene
- Acetone
- Titanium Dioxide

Precautionary Statements:

Prevention:

Keep out of reach of children. Read label before use. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use explosion-proof electrical/ventilating/lighting/equipment.

Response:

If medical advice is needed, have product container or label at hand.

If swallowed: Immediately call a POISON CENTER or doctor/physician.

If on skin (or hair): Wash thoroughly with soap and water; apply a mild skin cream. Remove contaminated clothing.

In case of fire: Use water mist, carbon dioxide, dry chemical or alcohol resistant foam.

Storage:

Store locked up at room temperature.

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 (wt. %)		Note
		Lower	Upper	
64741-84-0	Naptha(petroleum), solvent-refined light	25	50	
108-88-3	Toluene	2.5	10	
67-64-1	Acetone	2.5	10	
13463-67-7	Titanium Dioxide		<2.5	

Notes: Remaining ingredients are not considered OSHA hazardous.

Section 4. First Aid Measures

General Information:

Get medical attention immediately if irritation or symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

If Inhaled:

Move affected person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. In case of unconsciousness, place patient stably in side position for transportation. Get medical attention.

If on Skin:

Wash thoroughly with soap and water; apply a mild skin cream. Remove contaminated clothing.

If in Eyes:

Flush eyes gently with water for at least 15 minutes, lifting eyelids occasionally; get prompt medical attention.

If Swallowed (Ingestion):

Rinse out mouth with water. Drink 1-2 glasses of water but DO NOT INDUCE VOMITING. Do not give liquids to a drowsy or convulsing or unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.

Section 5. Firefighting Measures

Extinguishing Media:

Carbon dioxide, sand, extinguishing powder. Do not use water.

Special Fire-fighting Procedures:

Use self-contained breathing apparatus with full face-piece operated in pressure demand with full protective equipment.

Unusual Fire and Explosion Hazards:

Any closed container may rupture when exposed to extreme heat. Solvent vapors are heavier than air and travel along the ground. Vapors given off are flammable and may be ignited in air explosively.

Protective Equipment:

Coveralls

Section 6. Accidental Release Measures

Precautions:

Wear personal protection equipment (see section 8). Keep unprotected persons away. See section 7 for information on safe handling.

Environmental Precautions:

Do not allow to enter sewers/surface or ground water.

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 prolonged or repeated contact with skin.
- Avoid contact with eyes.
- Wash thoroughly after handling.

- Prevent formation of aerosols.

Precautions against Fire and Explosion:

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

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

Components With Limit Values That Require Monitoring at the Workplace

1088-88-3 Toluene (2.5-10%)

PEL	Long-term value: 200 ppm Ceiling Limit Value: 300: 500*ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm
TLV	Long term value: 75 mg/m ³ , 20 ppm BEI

67-64-1 Acetone (2.5-10%)

PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: (1782) NIC-1187, (750) NIC-500 ppm Long term value: (1188) NIC-475, (500) NIC-200 ppm BEI

13463-67-7 Titanium Dioxide (≤ 2.5%)

PEL	Long-term value: 15* mg/m ³ *total dust
REL	See Pocket Guide App. A
TLV	Long term value: (10) NIC-1* mg/m ³ *respirable fraction, NIC-A3

Ingredients with Biological Limit Values:

108-88-3 Toluene (2.5-10%)

BEI	0.02 mg/L Medium: blood Time: prior to last shift of workweek Parameter: Toluene
	0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene
	0.3 mg/g creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background)

67-64-1 Acetone (2.5-10%)

BEI	50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
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Additional Occupational Exposure Limit Values for Possible Hazards During Processing:

110-54-3 n-Hexane

PEL	Long-term value: 1800 mg/m ³ , 500 ppm
REL	Long-term value: 180 mg/m ³ , 50 ppm
TLV	Long term value: 176 mg/ m ³ , 50 ppm Skin; BEI

110-82-7 Cyclohexane

PEL	Long-term value: 1050 mg/m ³ , 300 ppm
REL	Long-term value: 1050 mg/m ³ , 50 ppm
TLV	Long term value: 344 mg/ m ³ , 100 ppm

142-82-5 Heptane

PEL	Long-term value: 2000 mg/m ³ , 500 ppm
REL	Long-term value: 350 mg/m ³ , 85 ppm Ceiling limit value: 1800* mg/m ³ , 440* ppm

	*15-min
TLV	Short term value: 2050 mg/ m ³ , 500 ppm Long term value: 1640 mg/ m ³ , 400 ppm

Additional Information: The lists that were valid during the creations 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.
- Store protective clothing separately.

Breathing Equipment:

Not necessary if room is well-ventilated.

Protective Gloves:

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. Nitrile rubber (NBR) or Chloroprene rubber (CR) are sufficient.

Eye Protection:

Safety glasses with side shields or tightly sealed goggles.

Ventilation:

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

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:

Wear impervious clothing and shoes.

Section 9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties:

Appearance:

Physical State/Form: Paste
Color: Brown
Odor: Slight, hydrocarbon

Safety Parameters:

Melting point/melting range: Undetermined
Boiling point/boiling range: 60° C (140° F)
Flash point: -17° C (1° F)
Ignition temperature: 465.0° C (869° F)
Auto Igniting: Product is not self-igniting
Danger of Explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Specific Gravity: 1.070
Solubility in Water: Insoluble in water
Organic Solvent Content: 32.5%
Solids Content: 67.5%
VOC Content: 26 grams per liter
SCAQMD: 332 g/l
Weight Per Gallon: 8.93 lbs/gal

Section 10. Stability and Reactivity

Stability:

This product is stable.

Thermal Decomposition/Conditions to be Avoided:

No decomposition if used according to specifications.

Possibility of Hazardous Reactions

No dangerous reactions known.

Incompatible Materials:

Strong oxidizers, acids and bases.

Hazardous Decomposition Products:

Under effect of humidity, water & protic agents: methanol

Further Information:

Hazardous polymerization cannot occur.

Section 11. Toxicological Information

General Information: LD/LC50 Values that are relevant for classification.

Acute Toxicity

108-88-3 Toluene

Route Of Exposure	Result/Effect	Species/Test System
Oral	LD50: 5000 mg/kg	Rat
Dermal	LD50: 12124 mg/kg	Rabbit
Inhalative	LC50/4h: 5320 mg/l	Mouse

Primary Irritant Effect:

- On the Skin: Skin Irritant
- On the Eye: Irritating effect. Vapors may be irritating to the eyes.
- Sensitization: No sensitizing effects known.

Additional Toxicological Information:

- The product shows the following dangers according to internally approved calculation methods for preparation: Harmful; Irritant
- Listed as a carcinogen by the IARC (International Agency for Research on Cancer)

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

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.

vPvB: Not applicable.

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

Ground Transport (DOT) – Domestic:

Units less than 5 L (1.3 gallons liquid) i.e., 10.3 fl. oz. and 28 fl. oz cartridges

Proper Shipping Name:	CONSUMER COMMODITY, LIMITED QUANTITY
Classification:	ORM-D
DOT Label Required:	ORM-D
Shipping Document:	CONSUMER COMMODITY, ORM-D, LIMITED QUANTITY
ERG Code:	171

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):

108-88-3 toluene

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:

- 64741-84-0 Naphtha (petroleum), solvent-refined light (textile spirits)

Chemicals known to cause reproductive toxicity:

- 108-88-3 Toluene
- 64741-84-0 Naphtha (petroleum), solvent-refined light (textile spirits)

(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):

- 108-88-3 Toluene D
- 67-64-1 Acetone D

TLV (Threshold Limit Value established by ACGIH):

- 108-88-3 Toluene A4
- 67-64-1 Acetone A4

MAK (German Maximum Workplace Concentration):

None of the ingredients is listed.

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

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients is listed.

NATIONAL REGULATIONS:

Water Hazard Class:

Water hazard class 3 (Self-assessment) extremely 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)
ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
DOT:	US Department of Transportation
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)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
SARA:	The Superfund Amendments and Reauthorization Act
N/A:	Not Applicable
N/D:	Not Determined
N/Est:	Not Established

Revision Information: Not relevant.

**Key Literature References
and Sources for Data:**

No data available.

Training Information:

No data available.

Date of Issue/Date of Revision: 12/11/17

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