

SB-909 SAFETY SURFACE ADHESIVE

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Page Number: 1/9
Revision Date: 9/15/2015

Product Name: SB-909 SAFETY SURFACE 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 may be fatal and can cause respiratory irritation, headache, drowsiness and fatigue. High concentration of vapors are anesthetic and may cause central nervous system effects such as dizziness.

Ingestion: May be fatal and can cause kidney and liver damage, gastrointestinal irritation, nausea, vomiting and diarrhea.

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health Hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07 Exclamation Mark

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

SB-909 SAFETY SURFACE ADHESIVE

LABEL ELEMENTS:

Page Number: 2/9
Revision Date: 9/15/2015

GHS Label Elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard Pictograms:



GHS02



GHS07



GHS08

Signal Word: Danger

Hazard Statements:

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

Precautionary Statements:

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames and hot surfaces. No smoking!
- Keep container tightly closed.
- Ground / bond container and receiving equipment.
- 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, protective clothing, eye protection, face protection.
- Use personal protective equipment as required.

Emergency and First Aid Precautions:

- In case of fire: Use Foam / CO2 / Dry Chemical for extinction.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- Do NOT induce vomiting.
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- IF ON SKIN: Wash with soap and water.
- IF ON SKIN (or hair): Remove / Take off all contaminated clothing immediately. Rinse skin thoroughly with water /shower.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF exposed or concerned: Get medical advice / attention.
- If skin irritation occurs: Get medical advice/attention

Storage and Disposal Precautions:

- Store locked up
- Store in a well ventilated area. Keep container tightly closed.
- Store in a well ventilated area. Keep cool.
- Dispose of contents/container to an approved waste disposal facility

CLASSIFICATION SYSTEMS:

NFPA Ratings (scale 0 - 4)



Health = 2
Fire = 2
Reactivity = 0

HMIS Ratings (scale 0 - 4)

HEALTH	2
FIRE	2
PHYSICAL HAZARD	0

Health = 2
Fire = 2
Physical Hazard = 0

GHS Classification Scale:

1= Severe Hazard; 4 = Slight Hazard

GHS Ratings:

Flammable Liquid - 2
Skin corrosive - 2
Reproductive toxin - 2
Organ toxin single exposure - 3
Aspiration hazard - 1

Other Hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable vPvB: Not applicable

SB-909 SAFETY SURFACE ADHESIVE

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Page Number: 3/9
Revision Date: 9/15/2015

Hazardous Ingredient Name	CAS Number	Percent
Toluene	108-88-3	30-40%
Naphtha, petroleum, hydrotreated light	64742-49-0	10-20%
Silica, amorphous	7631-86-9	5-10%

Notes: Remaining ingredients are not considered OSHA hazardous.

SECTION 4 - FIRST AID MEASURES

- Eyes:** Flush eyes gently with clean, cool water for at least 15 minutes. Seek immediate medical attention.
- Skin:** Remove any contaminated clothing using gloves. Rinse skin thoroughly for 15 minutes in a shower or with a hose. Seek medical attention immediately if irritation develops.
- Inhalation:** Move affected person to fresh air. If breathing has stopped, administer CPR. If the person vomits, clean the airway and turn their head to the side to prevent choking. If the person is unconscious but breathing, place them stably on their left side in the recovery position. Seek immediate medical attention.
- Ingestion:** Rinse mouth with water to remove any residual chemical. If the person vomits, clean their airway and turn their head to the side to prevent choking. DO NOT induce vomiting and DO NOT give them anything to drink unless directed to do so by a physician. If the person is unconscious but breathing, place them stably on their left side in recovery position. Seek immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES (Flash, UEL, LEL for solvent only)

- Flash Point:** -8°C / 18°F
- Autoignition:** LEL: N/A
UEL: N/A
- Extinguishing Media:** Foam, Carbon dioxide (CO2), Dry Chemical.
- Special Fire-fighting Procedures:** Use self-contained breathing apparatus with full face-piece operated in pressure demand with full protective equipment.
- Specific Hazards During Firefighting:** Prevent firefighting run-off from entering drains or sewers.
- Byproducts of Combustion:** Fires involving this product may release oxides of carbon and nitrogen, reactive hydrocarbons, and irritating vapours. Vapors given off are flammable and may be ignited in air explosively.
- Unusual Fire and Explosion Hazards:** Any closed container may rupture when exposed to extreme heat. Use a water spray to cool sealed containers. Solvent vapors are heavier than air and travel along the ground. Fires involving this product may release oxides of carbon and nitrogen, reactive hydrocarbons, and irritating vapors. Vapors given off are flammable and may be ignited in air explosively.

SB-909 SAFETY SURFACE ADHESIVE

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Page Number: 4/9
Revision Date: 9/15/2015

Spill/Leak Clean Up Procedures:

Immediately turn off or isolate any source of ignition (pilot lights, electrical equipment, flames, heaters, etc.). Evacuate area and ventilate. Personnel wearing proper protective equipment should contain spill immediately with inert materials (sand, earth, chemical spill pads of cotton) by forming dikes. Dikes should be placed to contain spill in a manner that will prevent material from entering sewers and waterways. Large spills, once contained, may be picked up using explosion proof, non-sparking vacuum pumps, shovels, or buckets, and disposed of in suitable containers. If a large spill occurs notify the appropriate authorities.

In case of road spill or accident contact CHEMTREC (800-424-9300).

Do not empty into drains. All disposal must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. Refer to state and local regulations. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. See Section 14.

CAUTION: If spilled material is cleaned up using a regulated solvent, the resulting waste mixture will also be regulated.

SECTION 7 - HANDLING AND STORAGE

Handling Procedures:

- Open containers carefully and in a well ventilated area, or use appropriate respiratory protection.
- Wash hands thoroughly after handling.
- Keep containers closed when not in use.
- Do not transfer to unmarked containers.
- Empty containers contain product residue which may exhibit hazardous properties therefore, do not pressurize, cut, glaze, weld or use for any other purpose.
- Return drums to reclamation center for proper cleaning and reuse.

Storage Requirements:

- Store in a cool, dry, well ventilated area.
- Store containers away from heat, sparks, open flame or oxidizing materials.
- Extended storage at excessive temperatures may produce odorous and toxic fumes from product decomposition.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Components With Limit Values That Require Monitoring at the Workplace	
108-88-3 Toluene (30-40%)	
OSHA Exposure Limits	200 ppm TWA
ACGIH Exposure Limits	200 ppm TWA
NIOSH	100 ppm TWA; 375 mg/m ³ TWA 150 ppm STEL; 560 mg/m ³ STEL
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

SB-909 SAFETY SURFACE ADHESIVE

Page Number: 5/9
Revision Date: 9/15/2015

Ingredients With Biological Limit Values:	
108-88-3 Toluene (30-40%)	
BEI	<p>0.02 mg/L Medium: blood Time: prior to last shift of workweek Parameter: Toluene</p> <p>0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene</p> <p>0.3 mg/g creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background)</p>

Additional information: The lists that were valid during the creation were used as basis.

ENGINEERING CONTROLS:

Avoid creating dust or mist. Local exhaust ventilation, process enclosures, or other engineering controls are required when handling or using this product to avoid over exposure. Use explosion-proof ventilation equipment. Do not use in closed or confined spaces. Keep all levels below exposure limits. Perform regular monitoring to ensure exposure limits are not exceeded.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Respiratory Protection: Do not breath vapors. When concentrations exceed the established limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA) until vapors are exhausted. Observe OSHA standard 29 CFR 1910.134 and ANSI Z88.2 requirements whenever workplace conditions require a respirator's use.

Hand Protection: Use solvent impermeable gloves to avoid contact with skin.

Eye protection: Use safety eyewear with splash guards or side shields. Use additional eye protection such as chemical safety goggles when the possibility for eye contact from splashing, spraying liquid, or airborne material exists.

Skin Protection: Prevent contact with this product. Wear gloves and protective clothing depending on the conditions of use.

HYGIENE MEASURES:

General: When using do not eat or drink. Wash hands with soap and water before breaks and at the end of each workday.

Contaminated Equipment: Avoid contact with contaminated clothing and protective gear/equipment. Wash before reuse.

SB-909 SAFETY SURFACE ADHESIVE

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Page Number: 6/9
Revision Date: 9/15/2015

Form:	Paste
Color:	Translucent
Odor:	Solvent, hydrocarbon
Boiling Range:	93 - 111° C / 200 - 232° F
Flash Point:	-8° C / 18° F
Specific Gravity:	0.946
VOC:	3.34 LBS/GAL or 400 G/L

SECTION 10 - STABILITY AND REACTIVITY

Stability:	This product is stable under normal conditions.
Incompatible Materials:	Strong acids, strong bases, oxidizing agents, reducing agents.
Hazardous Decomposition Products:	Carbon dioxide (CO ₂), Carbon monoxide (CO), oxides of Nitrogen (NO _x), dense black smoke. Hazardous polymerization will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

LC50 12.5 mg/L Inhalation Rat
LD50 12000 mg/kg Dermal Rabbit
LD50 2600 mg/kg Oral Rat
LC50 73680 ppm Inhalation Rat

Likely Routes of Exposure:

See sections 2 and 4 for potential routes of exposure.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

See sections 2 and 4 for symptoms related to product exposure.

Delayed and Immediate Effects of Exposure:

See section 4 for immediate, delayed, and any chronic effects from short- and long-term exposure. LD/LC50 Values that are relevant for classification:

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY OF COMPONENTS:

Toluene:

96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L [flow-through] (1 day old)
96 Hr LC50 Pimephales promelas: 12.6 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L [flow-through]
96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static]
96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]

SB-909 SAFETY SURFACE ADHESIVE

Toluene (cont.):

Page Number: 7/9
Revision Date: 9/15/2015

96 Hr LC50 *Oryzias latipes*: 54 mg/L [static]
96 Hr LC50 *Poecilia reticulata*: 28.2 mg/L [semi-static]
96 Hr LC50 *Poecilia reticulata*: 50.87 - 70.34 mg/L [static]
48 Hr EC50 *Daphnia magna*: 5.46 - 9.83 mg/L [Static]
48 Hr EC50 *Daphnia magna*: 11.5 mg/L
96 Hr EC50 *Pseudokirchneriella subcapitata*: >433 mg/L
72 Hr EC50 *Pseudokirchneriella subcapitata*: 12.5 mg/L [static]

Silica, amorphous

96 Hr LC50 *Brachydanio rerio*: 5000 mg/L [static]
48 Hr EC50 *Ceriodaphnia dubia*: 7600 mg/L
72 Hr EC50 *Pseudokirchneriella subcapitata*: 440 mg/L

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Additional Ecological Information: No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Do not discharge product into sewer system. Dispose of in a licensed facility. Waste management should be in full compliance with federal, state, and local laws.

The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Chemical additions, processing, or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate.

SECTION 14 - TRANSPORT INFORMATION

GROUND TRANSPORT (DOT) - DOMESTIC

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

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

Units GREATER than 5 L i.e., 50 gal. drum

UN-Number

DOT: UN1133
ADR: 1133

SB-909 SAFETY SURFACE ADHESIVE

UN proper shipping name

DOT, ADR: Adhesives

Page Number: 8/9

Revision Date: 9/15/2015

Transport Hazard Classes

DOT: CLASS 3 Flammable Liquids



ADR: CLASS 3 FLAMMABLE LIQUIDS



Packing Group: DOT Class III

Environmental hazards: Product contains environmentally hazardous substances: Naphtha (petroleum), solvent-refined light

Marine pollutant: Yes

Symbol (fish and tree)

Special marking (ADR): Symbol (fish and tree)

Special precautions for user Warning: Flammable liquids

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

Transport/Additional information: DOT - Special marking with the symbol (fish and tree).

UN "Model Regulation": UN1133, Adhesives, ENVIRONMENTALLY HAZARDOUS, 3, II

SECTION 15 - REGULATORY INFORMATION

Additional regulatory listings where applicable.

State of California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

WARNING! This product contains the following substance(s) which are listed by the State of California as carcinogenic, or a reproductive toxin:

108-88-3 Toluene Carcinogen, Carcinogen

Massachusetts Right To Know:

This product contains the following toxic or hazardous substance(s) which appear on the Massachusetts Substance List:

108-88-3 Toluene

7631-86-9 Silica, amorphous

SB-909 SAFETY SURFACE ADHESIVE

New Jersey Worker and Community Right to Know Hazardous Substance List:

The following substance(s) appear on the New Jersey Right to Know Hazardous Substance List:

108-88-3 Toluene

7631-86-9 Silica, amorphous

Page Number: 9/9

Revision Date: 9/15/2015

Commonwealth of Pennsylvania Worker and Community Right To Know Act:

This product contains the following substance(s) which appear on the Pennsylvania Hazardous Substance List:

108-88-3 Toluene

7631-86-9 Silica, amorphous

TSCA Substance Control Act (TSCA)

All substances except these listed appear in the Toxic Substances Control Act, Chemical Substance Inventory: None

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):

This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40, of the Code of Federal Regulations, part 372.

SECTION 16 - OTHER INFORMATION

DISCLAIMER: The information contained herein is based on data available as of the date of preparation of this SDS and which we believe to be reliable. However, no warranty is expressed or implied regarding the accuracy of the data. We shall not be responsible for the use of this information, or of any product, method or apparatus mentioned. User must make his/her own investigation to determine the suitability of the information or products for his/her particular purpose, for the protection of the environment and the health and safety of the users of this material.

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
Flam. Liq. 2:	Flammable liquids, Hazard Category 2
Skin Irrit. 2:	Skin corrosion/irritation, Hazard Category 2
Repr. 2:	Reproductive toxicity, Hazard Category 2
STOT SE 3:	Specific target organ toxicity - Single exposure, Hazard Category 3
STOT RE 2:	Specific target organ toxicity - Repeated exposure, Hazard Category 2
Asp. Tox. 1:	Aspiration hazard, Hazard Category 1
SARA:	The Superfund Amendments and Reauthorization Act
N/A:	Not Applicable
N/D:	Not Determined
N/Est:	Not Established