

SAFETY DATA SHEET

SB-190 CL

Version 1.0

Revision Date 04/29/2026

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SB-190 CL
Product code : 100000034505

Manufacturer or supplier's details

Company : Surebond
Address : 624 W. Illinois Ave
Aurora, IL 60506
Telephone : 1-877-843-1818

Medical Emergency Phone Number (24 Hours): 1-888-853-1758

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

Recommended use of the chemical and restrictions on use

Recommended use : Solvent based adhesive
Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	liquid
Odor	characteristic

GHS Classification

Flammable liquids : Category 2
Skin irritation : Category 2
Skin sensitization : Category 1
Germ cell mutagenicity : Category 1B
Carcinogenicity : Category 1A
Reproductive toxicity : Category 2
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)
Specific target organ toxicity - repeated exposure : Category 2
Aspiration hazard : Category 1

GHS label elements

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Hazard pictograms



Signal Word

: Danger

Hazard Statements:

H225 Highly flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H336 May cause drowsiness or dizziness. H340 May cause genetic defects. H350 May cause cancer. H361d Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:

Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P260 Do not breathe mist or vapors. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. P280 Wear protective gloves, protective clothing, eye protection and face protection.

Response: P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P331 Do NOT induce vomiting. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage: P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.

Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Carcinogenicity:

IARC

Group 1: Carcinogenic to humans

benzene 71-43-2

Group 2B: Possibly carcinogenic to humans

Naphtha (petroleum), 64742-49-0
hydrotreated light

OSHA

OSHA specifically regulated carcinogen

benzene 71-43-2

NTP

Known to be human carcinogen

benzene 71-43-2

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical name	CAS-No.	Concentration [%]
Toluene	108-88-3	15 - 40
Naphtha (petroleum), hydrotreated light	64742-49-0	7 - 13
Silica, amorphous fumed	112945-52-5	3 - 7
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	0.1 - 1
benzene	71-43-2	0.1 - 1

SECTION 4. FIRST AID MEASURES

- General advice : If on clothes, remove clothes.
Show this safety data sheet to the doctor in attendance.
Symptoms of poisoning may even occur after several hours;
therefore medical observation for at least 48 hours after the
accident.
- If inhaled : Remove person to fresh air. If signs/symptoms continue, get
medical attention.
In case of unconsciousness bring patient into stable side
position for transport.
- In case of skin contact : Wash off immediately with soap and plenty of water while
removing all contaminated clothes and shoes.
Call a physician if irritation develops or persists.
- In case of eye contact : Flush eyes with water at least 15 minutes. Get medical
attention if eye irritation develops or persists.
- If swallowed : Do NOT induce vomiting.
If accidentally swallowed obtain immediate medical attention.
Rinse mouth with water.
If conscious, drink fresh water.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.
May cause genetic defects.
May cause cancer.
Suspected of damaging the unborn child.
May cause damage to organs through prolonged or repeated
exposure.

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Notes to physician : No further relevant information available.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water mist
Foam
Dry powder
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : Do NOT use water jet.
- Specific hazards during fire fighting : May release toxic, irritating and/or corrosive gases.
In case of fire, the following substance(s) may occur:
Carbon monoxide
- Specific extinguishing methods :
Further information : In the event of fire, wear self-contained breathing apparatus.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.
Use personal protective equipment.
Use breathing protection against the effects of fumes/dust/aerosol.
Evacuate personnel to safe areas.
Ensure adequate ventilation.
: Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Prevent the material from reaching sewage system, holes and cellars.

The product should not be allowed to enter drains, water courses or the soil.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for : Soak up with inert absorbent material (e.g. sand, silica gel,

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containment and cleaning up acid binder, universal binder, sawdust).
Non-sparking tools should be used.
Ensure adequate ventilation.
Send for recovery or disposal in suitable containers.

Dispose of contaminated material as waste according to section 13.

SECTION 7. HANDLING AND STORAGE

Local/Total ventilation : Use only with adequate ventilation.

Advice on safe handling : Avoid formation of dust and aerosols.
Handle with care.
Keep eye wash bottle available on working place.
Avoid release to the environment.
Take note of emission threshold.
Use solvent-proof equipment.
Ensure that suitable extractors are available on processing machines.
Keep out of reach of children.
Take precautionary measures against static discharges.

Conditions for safe storage : Use explosion-proof equipment.
Keep tightly closed in a dry, cool and well-ventilated place.
Do not freeze.

Materials to avoid : Do not store together with oxidizing and self-igniting products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Toluene	108-88-3	TWA	20 ppm	ACGIH
		TWA	100 ppm 375 mg/m3	NIOSH REL
		ST	150 ppm 560 mg/m3	NIOSH REL
		TWA	200 ppm	OSHA Z-2
		CEIL	300 ppm	OSHA Z-2
		Peak	500 ppm	OSHA Z-2
		STEL	150 ppm 560 mg/m3	OSHA P0

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		TWA	100 ppm 375 mg/m3	OSHA P0
		PEL	10 ppm 37 mg/m3	CAL PEL
		C	500 ppm	CAL PEL
		STEL	150 ppm 560 mg/m3	CAL PEL
Naphtha (petroleum), hydrotreated light	64742-49-0	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
		PEL (particulate)	5 mg/m3	CAL PEL
Silica, amorphous fumed	112945-52-5	TWA	20 Million particles per cubic foot	OSHA Z-3
		TWA	80 mg/m3 / %SiO2	OSHA Z-3
		TWA (Dust)	20 Million particles per cubic foot	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2	OSHA Z-3
		TWA (Dust)	20 Million particles per cubic foot	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2	OSHA Z-3
		TWA	6 mg/m3	NIOSH REL
benzene	71-43-2	TWA	0.02 ppm	ACGIH
		STEL	2.5 ppm	ACGIH
		TWA	0.1 ppm	NIOSH REL
		ST	1 ppm	NIOSH REL
		TWA	10 ppm	OSHA Z-2
		CEIL	25 ppm	OSHA Z-2
		Peak	50 ppm	OSHA Z-2
		PEL	1 ppm	OSHA CARC
		STEL	5 ppm	OSHA CARC
		PEL	1 ppm	CAL PEL
		STEL	5 ppm	CAL PEL

Engineering measures : Please take note of national and local requirements.

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust

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ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. In case of brief exposure or low pollution (exceeding of TLV) use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air. Ensure that suitable extractors are available on processing machines.

Filter type : Organic vapor type or equipment with better protection

Hand protection

Material

Remarks

: Solvent-resistant gloves

: Direct contact with the product must be avoided by organizational measures.

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

The exact break through time can be obtained from the protective glove producer and this has to be observed.

The gloves need to be disposed after the penetration time and replaced by new ones.

Apply skin protectant before working with gloves to avoid skin swellings and use a skin cleansing and skincare product after the work.

For the permanent contact gloves made of the following materials are suitable:

If longer exposure to the chemical preparation is necessary, a sturdy overglove against mechanical strain is recommended in combination with the Barrier 02-100 underglove from Ansell or other suppliers (penetration time: 480 min).

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Butyl rubber (minimum thickness: 0.7 mm; penetration time: 15 min)

As protection from splashes gloves made of the following materials are suitable:

Nitril (minimum thickness 0.12 mm), Disposable gloves with long cuffs

After contact with the chemical preparation, take the disposable nitrile glove off immediately and put on a new disposable nitrile glove.

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Eye protection	: Tightly fitting safety goggles or equipment with better protection
Skin and body protection	: Protective clothing
Protective measures	: Keep away from food, drink and animal feeding stuffs. Instantly remove any soiled and impregnated garments. Wash hands before breaks and immediately after handling the product. Avoid contact with the eyes and skin. Store protective clothing separately. Provide adequate ventilation. Wear suitable protective clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Odor	: characteristic
Odor Threshold	: is not determined
pH	: substance/mixture is non-polar/aprotic
Melting point/freezing point	: is not determined
Evaporation rate	: is not determined
Relative vapor density	: is not determined
Density	: 0.95 g/cm ³
Solubility(ies)	
Water solubility	: not miscible or difficult to mix
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: is not determined
Thermal decomposition	: Not applicable
Explosive properties	: Product is not explosive. However, formation of explosive vapor/air mixtures is possible.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No further relevant information available.
Chemical stability	: No decomposition if used according to the specifications.
Possibility of hazardous reactions	: Develops readily flammable vapors/fumes.
Conditions to avoid	: Heat, flames and sparks.

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Incompatible materials : No further relevant information available.

Hazardous decomposition products : No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:

Toluene:

Acute oral toxicity : LD50 Oral Rat: 5,580 mg/kg

benzene:

Acute inhalation toxicity : LC50 Rat: 13050 ppm
Exposure time: 4 Hours
Test atmosphere: vapor

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration toxicity

No data available

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

benzene :

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 5.3 mg/l
Exposure time: 96 Hours
Method: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 8.76 - 15.6 mg/l
Exposure time: 48 Hours
Test Method: static test

Persistence and degradability

No data available

Bioaccumulative potential

Components:

Toluene :

Partition coefficient: n-octanol/water : log Pow: 2.73

Naphtha (petroleum), hydrotreated light :

Partition coefficient: n-octanol/water : log Pow: 2.2 - 6.1 (23 °C)
pH: 6.2
GLP: yes

benzene :

Partition coefficient: n-octanol/water : log Pow: 1.56 - 2.15 (25 °C)
GLP: no

Mobility in soil

Product:

Mobility : Medium: Soil
Remarks: Do not allow product to reach ground water, water bodies or sewage system.

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : This product meets the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. It is ignitable waste class D001. Disposal via incineration is

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recommended. Consult your state, local, or provincial authorities for more restrictive requirements. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

Contaminated packaging : Disposal must be made according to official regulations.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

UN/ID No. : UN 1133
Proper shipping name : Adhesives
Class : 3
Packing group : II
Labels : Flammable Liquids
Packing instruction (cargo aircraft) : 364
Packing instruction (passenger aircraft) : 353

IMDG-Code

UN number : UN 1133
Proper shipping name : ADHESIVES

Class : 3
Packing group : II
Labels : 3
EmS Code : F-E, S-D
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

UN/ID/NA number : UN 1133
Proper shipping name : Adhesives

Class : 3
Packing group : II
Labels : FLAMMABLE LIQUID
ERG Code : 128
Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)
Respiratory or skin sensitization
Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity (single or repeated exposure)
Aspiration hazard
Skin corrosion or irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

Toluene	108-88-3
benzene	71-43-2

Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

Toluene	108-88-3
benzene	71-43-2
Xylene	1330-20-7

US State Regulations **WARNING:** Can expose you to benzene, a carcinogen and reproductive toxicant. See www.P65warnings.ca.gov.
California Prop 65

The ingredients of this product are reported in the following inventories:

US TSCA	All substances listed as active on the TSCA inventory
AU AIIC	On the inventory, or in compliance with the inventory
CA DSL	All components of this product are on the Canadian DSL
KR KECI	On the inventory, or in compliance with the inventory
PH PICCS	On the inventory, or in compliance with the inventory
CN IECSC	On the inventory, or in compliance with the inventory

Please reach out to Surebond for further information regarding chemical inventories not listed above.

Inventories Legend

TSCA (USA), DSL (Canada), REACH(Europe), AIIC (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

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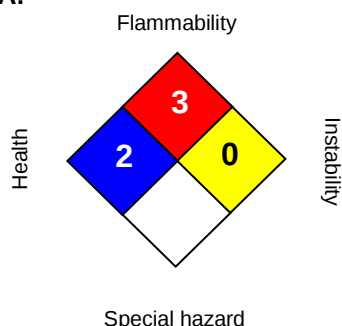
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SECTION 16. OTHER INFORMATION

Prepared by: Global Regulatory Office - phone: 1-877-843-1818 - email: inof@surebond.com

Further information

NFPA:



HMIS III:

HEALTH	3*
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

This material safety datasheet only contains information relating to safety and does not replace any product information or product specification. The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to Surebond from its suppliers, and because Surebond has no control over the conditions of handling and use, Surebond makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and Surebond assumes no responsibility for use or reliance thereon. It is the responsibility of the user of Surebond products to comply with all applicable federal, state and local laws and regulations.