

### SB-10 PAVER BOND

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#### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: SB-10 PAVER BOND ADHESIVE

Company Name: GREATNORTH LANDSCAPE PRODUCTS (SNAPEDGE CANADA LTD.)  
4-2300 Shirley Drive  
Kitchener, ON  
Phone: (800) 720-7627

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

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

#### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient Name	CAS Number	Percent	TSCA
Light Aliphatic Naphtha	64742-89-8	10 - 15	Y
Toluene	108-88-3	5 - 10	Y
n-Hexane	110-54-3	5 - 10	Y
Ethanol	64-17-5	< 5.0	Y

Notes: Remaining ingredients are not considered OSHA hazardous.

#### SECTION 3 - 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 can cause respiratory irritation, headache, drowsiness and fatigue. High concentrations of vapors are anesthetic and may cause central nervous system effects such as dizziness.  
Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

HMIS Hazard Rating: Health: 1 Fire: 3 Reactivity: 0 PPE: B

#### SECTION 4 - FIRST AID MEASURES

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

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

Inhalation: Move affected person to fresh air; if breathing is difficult, administer oxygen; if breathing has stopped, give artificial respiration. Get medical attention.

Ingestion: DO NOT INDUCE VOMITING. Get immediate medical attention.

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

Flammability Class:	I B
Flash Point:	0° F - 60 ° F (-17.78 ° C - 15.56 ° C) Tag Closed Cup
Explosive Range (LEL/UEL):	EL: 1.0% UEL: 6.5%
Extinguishing Media:	Carbon dioxide, dry chemical, foam. Use water fog to cool material in vicinity of fire.
Special Fire-fighting Procedures:	Use self-contained breathing apparatus with full facepiece 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.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case of Spill:	Eliminate all ignition sources. Ventilate confined areas. (Open windows and doors). Wear appropriate protective clothing. Cover with absorbent. Scoop into sealable safety containers.
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#### SECTION 7 - HANDLING AND STORAGE

Handling and Storage Precautions:	Keep away from heat, spark and flame. Keep out of reach of children. Keep container closed while not in use. Do not cut or burn receptacles that have contained a solvent based product. Do not reuse this container. Use only in a well ventilated area.
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#### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Occupational Exposure Limits:

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
Light Aliphatic Naphtha	300.00 PPM	N/Est	N/Est	500.00 PPM	300.00 PPM
Toluene	50.00 PPM	N/Est	150.00 PPM	150.00 PPM	100.00 PPM
n-Hexane	50.00 PPM	N/Est	N/Est	N/Est	50.00 PPM
Ethanol	1000.00 PPM	N/Est	N/Est	N/Est	1000.00 PPM

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- 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:** Rubber gloves should be worn where skin contact is likely. Wear impervious clothing and shoes.
- Eye Protection:** Chemical goggles or safety glasses should be worn.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- Form:** Non-sag mastic
- Odor:** Slight, hydrocarbon
- Solubility (in water):** Insoluble in water
- pH Value, +/-:** N/A
- Boiling Range:** 160 ° F - 230 ° F (71.11 ° C - 110 ° C)
- Vapor Pressure (mmHg):** 155 @ 68 ° F (20 ° C)
- Evaporation Rate:** 4.8 times faster than n-Butyl Acetate
- Vapor Density:** Heavier than air
- % Volatile, Weight:** Approx. 34%
- % Volatile, Volume:** Approx. 45%
- Specific Gravity:** 1.09266
- VOC (less H<sub>2</sub>O or exempt):** 380 g/l, (34%)

Note: Boil range, evaporation rate, vapor density and pressure for solvent only.

#### SECTION 10 - STABILITY AND REACTIVITY

- Stability:** This product is stable under normal storage conditions.
- Hazardous Polymerization:** Will not occur under normal conditions
- Conditions to Avoid:** Keep away from heat, spark, open flames and any ignition source.
- Incompatibility:** Keep away from strong oxidizing agents.
- Hazardous Decomposition Products:** Will produce fumes and smoke containing carbon monoxide and dioxide under fire conditions.

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#### SECTION 11 - TOXICOLOGICAL INFORMATION

Route	Species	Exposure and Dose
Light Aliphatic Naptha		LD50 74. PPM LD50 1 8000. PPM LD50 5000. PPM
n-Hexane		LD50 5000. PPM
Ethanol		LD50 1 4000. PPM

Carcinogenicity: NTP? N/E | IARC Monographs? N/E | OSHA? NO

#### 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

No data available.

#### SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of following local, state, and federal regulations.

#### SECTION 14 - TRANSPORT INFORMATION

GroundTransport (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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Units GREATER than 5 L i.e. 5 gal. pail

Proper Shipping Name: ADHESIVE  
Classification: CLASS 3  
DOT Label Required: Flammable Liquid, UN1133, Class 3  
Shipping Document: ADHESIVE, 3, UN1133, PGIII, for 50 gal. drum use PG II  
ERG Code: 128

Air 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-AIR  
Shipping Document: Consumer Commodity, ORM-D  
ERG Code: 171

Units GREATER than 5 L i.e. 5 gal. pail

Proper Shipping Name: ADHESIVE  
Classification: Class 3  
DOT Label Required: Flammable Liquid, UN 1133, Class 3  
Shipping Document: ADHESIVE, 3, UN1133, PG III, for 50 gal. drum use PG II  
ERG Code: 128

Air Transport (IATA) - International

Units less than 5 L (1.3 gallons liquid) i.e. 10 oz., 28 oz., 1 gal.

Proper Shipping Name: CONSUMER COMMODITY  
Classification: class 9  
Label Required: ID8000  
Shipping Document: Consumer Commodity, 9, ID8000  
ERG Code: 9L

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

Proper Shipping Name: ADHESIVE  
Classification: Class 3  
Label Required: Flammable Liquid, UN 1133, Class 3  
Shipping Document: ADHESIVE, 3, UN1133, PGIII, for 50 gal. drum use PG II  
ERG Code: 3L

Marine - Ocean Transport (IMDG)

Units less than 5 L (1.3 gallons liquid) i.e. 10 oz., 28 oz., 1 gal.

Proper Shipping Name: ADHESIVE  
Classification: Class 3  
Label Required: Flammable Liquid, UN1133, Class 3, Ltd. Qty.  
(on Ocean container only, not required on cartons)  
Shipping Document: ADHESIVE, 3, UN1133, PG III, LTD.QTY.  
EMS Code: F-E, S-D

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Units GREATER than 5 L i.e. 5 gal. pail, 50 gal. drum  
Proper Shipping Name: ADHESIVE  
Classification: Class 3  
Label Required: Flammable Liquid, UN 1133, Class 3  
Shipping Document: ADHESIVE, 3, UN1133, PGIII, for 50 gal. drum use PG II  
EMS Code: F-E, S-D

#### SECTION 15 - REGULATORY INFORMATION

SARA Title III Section 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Ingredient Name	CAS Number	Percent
Toluene	108-88-3	5 - 10
n-Hexane	110-54-3	5 - 10

PROP 65 (TERATOGEN)

WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

Ingredient Name	CAS Number	Percent
Toluene	108-88-3	5 - 10

The following ingredients are registered for TSCA 12B:

Ingredient Name	CAS Number	Percent
n-Hexane	110-54-3	5 - 10

SARA Section 311/312 Hazard Categories Met: Fire Hazard, Immediate (Acute) and Delayed (Chronic) Health Hazards.  
Chemical ingredients are listed on the TSCA inventory.

#### SECTION 16 - OTHER INFORMATION

DISCLAIMER:

The information contained herein is based on data available as of the date of preparation of this MSDS 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: N/A = Not Applicable  
N/D = Not Determined  
N/Est = Not Established