



MATERIAL SAFETY DATA SHEET POLYSWEEP POLYMERIC SAND

Product: Polymer Modified Sand
Version 2.0 (U.S.)
Print Date: January 2015
(Complies with OSHA 29CFR 19010.1200)

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Great North Landscape Products
Div. of: Snapedge Canada Ltd.
4-2300 Shirley Drive
Kitchener, ON N2B 3Y2

Emergency Tele Number 630-762-0606
(8:00 AM – 5:00 PM CST Mon – Fri)
Info Tele Number 519-745-9996
(8:30 AM – 5:00 PM EST Mon – Fri)

Commercial Product: Polymer Modified Sand

Product Use: Paver Jointing Sand

CAS# (Chemical
Abstracts Service Number): Mixture NA

Section 2: HAZARD IDENTIFICATION

OSHA Hazard
Communication: This product does not contain any hazardous substances as defined by the OSHA Hazardous Communication Standard 29 CFR 1910.1200.

Physical Description: Natural, tan, gray, black, white solid.

Odor: None

Emergency Overview: It is not explosive or combustible. Short term exposure can cause alkali burns and irritations to the nose, throat and eyes. Chronic exposure can cause serious burns, blindness and irreversible tissue (skin, eye, respiratory tract) damage.

Fire Hazards: NFPA Ratings: Health = 2 Fire = 0 Reactivity = 0 Special – NDA
HMIS Ratings: Health = 2 Fire = 0 Reactivity = 0 Protective Equipment = x

Potential Health Affects: Warning! Corrosive – Can cause alkali burns to the skin.

Section 2: HAZARD IDENTIFICATION (Continued)
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Symptoms of Exposure

- Inhalation: (Acute) Excessive exposure to dust can cause shortness in breath and reduced pulmonary function.
(Chronic) This product contains crystalline silica. Prolonged inhalation can cause silicosis.
- Skin Contact: Product can cause discomfort, irritation and burns when wet on moist skin.
- Eye Contact: Dust can cause irritation and inflammation. Eye exposures require immediate first aid and medical attention to prevent significant damage to the eye.

Medical Conditions

Aggravated by

- Exposure: Individual s with sensitive skin, allergic dermatitis, pulmonary disease, asthma, bronchitis, COPD or sensitive eye conditions should be precluded from exposure.

Section 3: Composition/Information on Ingredients

Component (by weight)	Percent (by weight)	OAS Number	OSHA PEL – TWA (mg/m3)	ACGIH TLV-TWA (mg/m3)
Additives/Accelerators	< 5%	NA	NA	NA
Crystalline Silica	85 – 95%	14808-60-7	15 (T); 5 (R)	10 (R)
Binder	<5%	NA	NA	NA

Section 4: FIRST AID MEASURES

- Inhalation: Remove person to fresh air. Seek medical attention if coughing or other symptoms do not subside.
- Skin: Wash with cool water and a pH neutral soap. Seek medical attention if rash or symptoms do not subside.
- Ingestion: Do not induce vomiting. If conscious have person drink plenty of water. Seek medical attention or contact poison control immediately.
- Eye Contact: Rinse eyes thoroughly with water for 15 minutes, including under lids to remove all particles. Call physician immediately.

Section 5: FIRE FIGHTING MEASURES

Flashpoint & Method:	Non-Combustible
Flash Point:	Not applicable
Extinguishing Media:	Water Dry Chemical Fire Extinguishers Carbon Dioxide Fire Extinguishers

Section 6: ACCIDENTAL RELEASE MEASURES

If spilled do not use water for cleanup. Use dustless methods (vacuum) and place in container. Material becomes slippery when wet. Use appropriate safety equipment. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

Section 7: HANDLING AND STORAGE

General:	Stack bagged material in a secure manner to prevent falling. Use proper lifting techniques to prevent injury to the back, arms, shoulders and legs. Handle with care and use appropriate control measures. Wear tight fitting goggles and properly fitting approved OSHA, MSHA and NIOSH respirator when exposed to dust above allowable exposure limits.
Usage:	Cutting and grinding can produce respirable crystalline silica. Use all appropriate measures of dust control or suppression and Personal Protective Equipment in Section 8 below.
Storage Temperature:	Unlimited
Storage Pressure:	Unlimited

Section 8: EXPOSURE CONTROL MEASURES

Engineering Controls: Local exhaust can be used to maintain dust levels below permissible exposure limits.

Personal Protective Equipment (PPE):

Respiratory Protection: When exposure limits are above allowable limits use NIOSH approved respirator.

Section 8:	EXPOSURE CONTROL MEASURES (Continued)
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Eye Protection: Prevent contact with eyes. Wear ANSI approved goggles or safety glasses. Wearing contact lenses under dusty conditions is not recommended.

Skin Protection: Wear protective clothing. Boots, gloves and creams are recommended to protect the skin.

Section 9:	PHYSICAL AND CHEMICAL PROPERTIES
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Physical State:	Solid (Powder)	Boiling Point:	>1000° C
Odor:	none	Vapor Pressure:	Not Available
Boiling Point:	>2,700°F	Viscosity:	None, Solid
Specific Gravity:	2.5 to 3.7	Solubility in H ₂ O:	Slightly

Section 10:	REACTIVITY DATA
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Stability: Stable

Incompatible

Materials: Avoid strong acids. Silica will dissolve I hydrofluoric acid and produce a corrosive gas silicone tetra fluoride. Contact with oxidizing agents such as fluorine, chloride tetra fluoride, manganese trioxide and oxygen difluoride may cause fire.

Hazardous Polymerization: Not Expected.
 Hazardous Decomposition: Oxides of calcium.

Section 11 and 12:	TOXICOLOGICAL AND ECOLOGICAL INFORMATION
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Chronic affects on humans: Eye injury, skin disorders and chronic respiratory conditions.

Toxicity to Animals: Not Available
 LD50 has not been determined.
 LC50 has not been determined.

Ecotoxicological effects: No expected damaging affects to water organisms.

General: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

BOD5 and COD: Not Available

Section 13:	DISPOSAL CONSIDERATIONS
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This product is not classified as a hazardous waste under the EPA (40CFR 261).

Dispose of waste and containers in compliance with applicable Federal, State and Local regulations.

Section 14: TRANSPORTATION INFORMATION

Not Hazardous under U.S. DOT and Canadian TDG regulations.

Section 15: REGULATORY INFORMATION

This product is considered by OSHA/MSHA to be a hazardous chemical and should be included in the employer's hazardous communication program.

This product is not listed as a CERCLA hazardous substance.

EPCRA

SARA Title III: This product has been qualified as a hazardous substance with delayed health

Section 302

Extremely

Hazardous Material: None

Section 304

Notification of
Hazardous

Release: None

Immediate Health Affects: Yes

Delayed Health Affects: Yes

Fire Hazard: No

Reactivity Hazard: No

EPRCA

SARA Section 13: This product contains none of the substances subject to the reporting requirements of Section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

TSCA: All components are on the TSCA inventory list.

California

Proposition 65: Crystalline silica is known by the State of California to cause cancer.

Section 16: OTHER INFORMATION

This information is provided in good faith and is believed to accurate; however the contained information shall not be construed as legal advice and shall be assumed in connection with the use of this information.

For addition information, refer to the 2000 Emergence Response Guidebook and the ACGIH Documentation of the Threshold Limit Values.

No warranty is made, express or implied, of merchantability, fitness for a particular purpose, or otherwise.

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