



**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Revision Date: NA Date of issue: 01/22/2025

**Storm Breaker Walkway Granules (yellow)**

Version: 1.0

*Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations*

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Storm Breaker Walkway Granules

**Product Code:**

**Intended Use of the Product**

Roof Walkway Granules

**Name, Address, and Telephone of the Responsible Party**

**Manufacturer**

BITEC, Inc.  
#2 Industrial Park Drive  
Morrilton, AR 72110  
T-800-535-8597  
F-501-354-3019  
www.BITEC.com

**Emergency Telephone Number**

**Emergency Number:** 1-800-535-8597

**SECTION 2 - HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:**

**Product Description:** This product is light grey paste.

**Health Hazards:** Exposure to the product may cause eye irritation. Contacts a component reported to cause cancer.

**Flammability Hazards:** This product is considered a non-flammable liquid with a flash point >200°F.

**Reactivity Hazards:** None known.

**Environmental Hazards:** The environmental effects of this product have not been investigated; however it is not expected to cause adverse effects in the environment.

**Emergency Considerations:** Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS

**Not Regulated**

GHS Hazard Symbols



Signal Word: **Danger!**

**GHS CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:**

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 and regulation (EU) No. 2020/878 and regulation (EC) No. 1272/2008.

**Component(s) Contributing to Classification(s)**

Quartz Silica, Titanium Dioxide

**GHS Hazard Classification(s):**

Carcinogenicity Category 1  
STOT RE CAT 1

**Hazard Statement(s):**

H350: May cause cancer  
H372: Causes damage to organs through prolonged or repeated exposure

**Prevention Statement(s):**

P201: Obtain special instructions before use  
P202: Do not handle until all safety precautions have been read and understood

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P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection

### **Response Statement(s):**

P308+P313: IF exposed or concerned: Get medical advice/attention.

P314: Get medical advice/attention if you feel unwell.

### **Storage Statement(s):**

P405: Store locked up.

### **Disposal Statement(s):**

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

### **HEALTH HAZARDS OR RISKS FROM EXPOSURE:**

This product does not meet the criteria for PBT or vPvB in accordance with Annex XIII

Endocrine Disruptor Information: This product does not contain chemicals on the Candidate List of substances of very high concern for Authorisation.

**ACUTE:** This material may cause eye irritation.

**CHRONIC:** Contains a component which is reported to cause cancer.

**TARGET ORGANS:** ACUTE: None CHRONIC: Respiratory

## SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION
Silica Sand	14808-60-7	238-878-4	0808	90 – 95%	CARC. CAT 1, STOT RE CAT 1 (INHALATION, RESPIRATORY)
Resin	Trade Secret	Trade Secret	Not listed	1 - 8%	NO INFORMATION AVAILABLE
Titanium Dioxide	13463-67-7	236-675-5	0338	0.5 – 2%	CARC. CAT 2
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

\* Ingredients are Company Trade Secret - Business Confidential. Progressive Materials LLC is withholding the specific chemical information under provision of the OSHA Hazard Communication Rule Trade Secrets (1910.1200(i)(1)). The specific chemical information will be made available to health professionals in accordance with 29 CFR 1910.1200 (i)(1) (2) (3) (4)..

## SECTION 4 - FIRST-AID MEASURES

**EYE CONTACT:** If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation develops.

**SKIN CONTACT:** Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder contaminated clothing before re-use.

**INHALATION:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

**INGESTION:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing skin, or eye problems may be aggravated by exposure to this product.

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and reduce over-exposure.

## SECTION 5 - FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS (in air by volume, %):** Lower (LEL): Not Established Upper (UEL): Not Established

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**FIRE EXTINGUISHING MATERIALS:** Carbon dioxide, foam, dry chemical, halon, water spray, sand, limestone powder.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No data available.

**Explosion Sensitivity to Mechanical Impact:** Not Sensitive.

**Explosion Sensitivity to Static Discharge:** Not Sensitive

**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Personnel should be trained for spill response operations.

**SPILLS:** Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Soak up with a non-combustible absorbent material and place in an appropriate container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

## SECTION 7 - HANDLING and STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:** As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

**STORAGE AND HANDLING PRACTICES:** Keep container tightly closed and in a dry and cool place.

## SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

**EXPOSURE LIMITS/GUIDELINES:** No data available for this product.

Chemical Name	CAS#	ACGIH TWA	OSHA TWA	WEEL
Crystalline Quartz Silica	14808-60-7	0.025 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	Not Listed
Resin	Trade Secret	Not Listed	Not Listed	Not Listed
Titanium Dioxide	13463-67-7	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION:** Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION:** Safety glasses or chemical goggles as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

**HAND PROTECTION:** Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

**BODY PROTECTION:** Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

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## SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Solid
<b>APPEARANCE &amp; ODOR:</b>	Granular solid with a slight odor.
<b>ODOR THRESHOLD (PPM):</b>	Not Available
<b>FLASH POINT:</b>	Not Available
<b>AUTOIGNITION TEMPERATURE:</b>	Not Available
<b>VAPOR PRESSURE (mmHg):</b>	Not Available
<b>VAPOR DENSITY:</b>	Not Available
<b>EVAPORATION RATE (nBuAc = 1):</b>	Not Available
<b>BOILING POINT (C°):</b>	Not Available
<b>FREEZING POINT (C°):</b>	Not Available
<b>pH:</b>	Not Available
<b>SPECIFIC GRAVITY 20°C: (WATER =1)</b>	2.65
<b>SOLUBILITY IN WATER (%)</b>	Not Available
<b>EXPLOSIVE PROPERTIES:</b>	Not Available
<b>OXIDISING PROPERTIES:</b>	Not Available

## SECTION 10 - STABILITY and REACTIVITY

**REACTIVITY:** No specific data available.

**STABILITY:** Product is stable.

**DECOMPOSITION PRODUCTS:** By thermal decomposition: Carbon monoxide, carbon dioxide, Oxides of nitrogen (NO<sub>x</sub>), other potentially toxic fumes, dense black smoke.

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** None known.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** No data available.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** Toxicity data is available for this product:

**CAS# 13463-67-7 LD50 Acute Oral** >10000 mg/kg Rat

**CAS# 14808-60-7 LD50 Acute Oral** >500 mg/kg Rat

**SUSPECTED CANCER AGENT:** One or more of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore are considered to be, or suspected to be a cancer-causing agent by these agencies. Titanium dioxide (13463-67-7)

ACGIH: A4 – Not classifiable as a Human Carcinogen

NIOSH: Potential occupational carcinogen

IARC: Monograph 93 posted, Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))

Crystalline Quartz Silica (14808-60-7)

ACGIH: Suspected human carcinogen (Category A2 Carcinogen)

NIOSH: Known to be human carcinogen (Quartz)

IARC: Group 1 - Carcinogenic to humans (Quartz)

**IRRITANCY OF PRODUCT:** May cause mechanical skin or eye irritation.

**SENSITIZATION OF PRODUCT:** This product is not considered a skin sensitizer.

**REPRODUCTIVE TOXICITY INFORMATION:** No data available.

**SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** None known

**SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** None known

**ASPIRATION HAZARD:** None

## SECTION 12 - ECOLOGICAL INFORMATION

**ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.**

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**TOXICITY:** No specific data is currently available on this product's effects on aquatic life.

**PERSISTENCE AND DEGRADABILITY:** No specific data available on this product.

**BIOACCUMULATIVE POTENTIAL:** No specific data available on this product.

**MOBILITY IN SOIL:** No specific data available on this product.

**RESULTS OF PBT AND vPvB ASSESMENT:** No specific data available on this product.

**OTHER ADVERSE EFFECTS:** No specific data available on this product.

**WATER ENDANGERMENT CLASS:** Not believed to be water endangering in accordance with EU Guideline 91/155-EWG.

At present there are no ecotoxicological assessments for this product.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

**RCRA WASTE CODE:** None listed

**EU WASTE CODE:** Not Listed

## SECTION 14 - TRANSPORTATION INFORMATION

### US DOT; IATA; IMO; ADR:

**THIS PRODUCT IS NOT CLASSIFIED AS DANGEROUS GOODS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.**

**PROPER SHIPPING NAME:** Non-Regulated when shipped ground or rail with U.S.A.

**HAZARD CLASS NUMBER and DESCRIPTION:** None

**UN IDENTIFICATION NUMBER:** None

**PACKING GROUP:** None

**DOT LABEL(S) REQUIRED:** None

**NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2016):** None

**MARINE POLLUTANT:** This product's ingredients that are not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

### INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

**PROPER SHIPPING NAME:** Not Regulated

**HAZARD CLASS NUMBER and DESCRIPTION:** Not Regulated

**UN IDENTIFICATION NUMBER:** Not Regulated

**PACKING GROUP:** Not Regulated

**DOT LABEL(S) REQUIRED:** Not Regulated

### INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is not classified as Dangerous Goods by the International Maritime Organization.

### EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

Harmonized Tariff Code Not Listed

## SECTION 15 - REGULATORY INFORMATION

### UNITED STATES REGULATIONS

**SARA REPORTING REQUIREMENTS:** This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: None

**TSCA:** All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

### SARA 311/312:


Acute Health: No                      Chronic Health: Yes                      Fire: No                      Reactivity: No

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for this product.

The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** None

### CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):

 **WARNING** This product contains Titanium Dioxide and Crystalline Silica which are known to the State of California as a cancer hazard if in respirable form.

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## **CANADIAN REGULATIONS:**

**CANADIAN DSL/NDL INVENTORY STATUS:**All of the components of this product are on the DSL Inventory

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:** No component of this product is on the CEPA First Priorities Substance Lists.

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** Classified per WHMIS 2015

## **EUROPEAN ECONOMIC COMMUNITY INFORMATION:**

### **EU LABELING AND CLASSIFICATION:**

**Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.**

## **AUSTRALIAN INFORMATION FOR PRODUCT:**

**AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS:** All components of this product are listed or exempt from listing on the AICS.

**STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS:** Not applicable.

## **JAPANESE INFORMATION FOR PRODUCT:**

**JAPAN INDUSTRIAL SAFETY AND HEALTH LAW:** This product has been classified per the Japan Industrial Safety and Health Law. See Section 2 for the GHS Classification.

## **INTERNATIONAL CHEMICAL INVENTORIES:**

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed or exempt from listing
Australian Inventory of Chemical Substances (AICS):	Listed or exempt from listing
Korean Existing Chemicals List (ECL):	Listed or exempt from listing
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed or exempt from listing
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed or exempt from listing
Swiss Giftliste List of Toxic Substances:	Listed or exempt from listing
U.S. TSCA:	Listed

## **SECTION 16 - OTHER INFORMATION**

**Revision date** : 01/22/2025

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### **Party Responsible for the Preparation of This Document**

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*This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety, and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.*

North America GHS US 2019 & WHMIS