



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 Silicone Walkway Coating

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 Silicone Walkway Coating

Product Code:

Intended Use of the Product

Silicone Coating

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 a yellow liquid with a mild odor.

Health Hazards: Exposure to the product may cause skin and eye irritation. Prolonged exposure may cause skin sensitization. Ingestion is not a normal route of exposure under normal product use. If swallowed, product may cause gastrointestinal irritation. This product contains an ingredient that is suspected of causing reproductive harm.

Flammability Hazards: This product is flammable with a flash point >200°F (>93.3°C).

Reactivity Hazards: None known.

Environmental Hazards: The environmental effects of this product have not been investigated; however it is 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.

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.

EU HAZARD CLASSIFICATION OF INGREDIENTS:

- EC# 613-154-4 This substance is not classified in the Annex VII
- EC# 609-369-8 This substance is not classified in the Annex VII
- EC# 613-156-5 This substance is not classified in the Annex VII
- EC# 236-675-5 This substance is not classified in the Annex VII
- EC# 245-366-4 This substance is not classified in the Annex VII
- EC# 209-136-7 Annex VII Index# 014-018-00-1
- EC# 237-898-0 This substance is not classified in the Annex VII
- EC# 601-216-3 This substance is not classified in the Annex VII

Component(s) Contributing to Classification(s)

All Ingredients in Section 3

GHS Hazard Symbols



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Signal Word: **Warning!**

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SECTION 3 – COMPOSITION and INFORMATION

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	GHS HAZARD CLASSIFICATION(S):
Liquid Silicone Polymer	70131-67-8	613-154-4	Not Listed	50 - 60%	Not Classified
Nepheline Syenite	37244-96-5	609-369-8	Not Listed	15 – 25%	STOT SE Cat 3 (Resp Irritant)
Dimethyl siloxane	63148-62-9	613-156-5	Not Listed	1 – 10%	Not Classified
2-Butanone,O,O', O"- (Methylsilylidyne)Trioxime	22984-54-9	245-366-4	Not Listed	1 – 10%	Skin irritant Cat 2, eye Irritant Cat 2, Skin Sensitizer Cat 1
Octamethylcyclotetrasiloxane	556-67-2	209-136-7	0310	0.1 – 10%	Reproductive Toxicity Cat 2, Aquatic Chronic 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
FIRE EXTINGUISHING MATERIALS: Carbon dioxide, foam, dry chemical, halon, water spray, sand, limestone powder.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

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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:

Chemical Name	CAS#	ACGIH TWA	OSHA TWA	WEEL
Liquid Silicone Polymer	70131-67-8	Not Listed	Not Listed	Not Listed
Nepheline Syenite	37244-96-5	Not Listed	Not Listed	Not Listed
Dimethyl siloxane	63148-62-9	Not Listed	Not Listed	Not Listed
2-Butanone,O,O', O"- (Methylsilylidyne)Trioxime	22984-54-9	Not Listed	Not Listed	Not Listed
Octamethylcyclotetrasiloxane	556-67-2	Not Listed	Not Listed	Not Listed
Pigment Yellow	14059-33-7	Not Listed	Not Listed	Not Listed
Silicon Dioxide	112945-52-5	6 mg/m ³	10 mg/m ³	3 mg/m ³ Respirable dust

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

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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.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE:	Liquid
APPEARANCE & ODOR:	Yellow liquid with a mild odor
ODOR THRESHOLD (PPM):	Not Available
FLASH POINT:	Not Available
AUTOIGNITION TEMPERATURE:	Not Established
VAPOR PRESSURE (mmHg):	Not Available
VAPOR DENSITY:	Not Available
EVAPORATION RATE (nBuAc = 1):	<1
BOILING POINT (C°):	Not Available
FREEZING POINT (C°):	Not Available
pH:	Not Available
SPECIFIC GRAVITY 20°C: (WATER =1)	Not Available
SOLUBILITY IN WATER (%):	Negligible
EXPLOSIVE PROPERTIES:	Not Available
OXIDISING PROPERTIES:	Not Available

INFORMATION WITH REGARD TO PHYSICAL HAZARD CLASSES

EXPLOSIVES:	
FLAMMABLE GASES:	Not Available
AEROSOLS:	Not Available
OXIDISING GASES:	Not Available
GASES UNDER PRESSURE:	Not Available
FLAMMABLE LIQUIDS:	Not Available
FLAMMABLE SOLIDS:	Not Available
SELF-REACTIVE SUBSTANCES AND MIXTURES:	Not Available
PYROPHORIC LIQUIDS:	Not Available
PYROPHORIC SOLIDS:	Not Available
SELF-HEATING SUBSTANCES AND MIXTURES:	Not Available
SUBSTANCES AND MIXTURES, WHICH EMIT FLAMMABLE GASES IN CONTACT WITH WATER:	Not Available

OXIDISING LIQUID:	Not Available
OXIDISING SOLID:	Not Available
ORGANIC PEROXIDES:	Not Available
CORROSIVE TO METALS:	Not Available
DESENSITISED EXPLOSIVES:	Not Available
GASES UNDER PRESSURE:	Not Available

OTHER SAFETY CHARACTERISTICS

MECHANICAL SENSITIVITY:	Not Available
SELF-ACCELERATING POLYMERISATION TEMPERATURE:	Not Available
FORMATION OF EXPLOSIBLE DUST/AIR MIXTURES:	Not Available

ACID/ALKALINE RESERVE:	Not Available
EVAPORATION RATE:	Not Available
MISCIBILITY:	Not Available

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CONDUCTIVITY:	Not Available
CORROSIVENESS:	Not Available
GAS GROUP:	Not Available
REDOX POTENTIAL:	Not Available
RADICAL FORMATION POTENTIAL:	Not Available
PHOTOCATALYTIC PROPERTIES:	Not Available

SECTION 10 - STABILITY and REACTIVITY

STABILITY: Product is stable

DECOMPOSITION PRODUCTS: When heated to decomposition this product produces noxious gases such as CO, CO₂, and others.

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: acids, oxidizing agents, isocyanates.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Heat and sources of ignition. Avoid moisture. Avoid direct sunlight

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA:

Chemical Name	CAS#	Oral LD50	Dermal LD50	Inhalation LC50
Liquid Silicone Polymer	70131-67-8	>15400 mg/kg	>2000 mg/kg	8750 gm/m ³ /7H
Nepheline Syenite	37244-96-5	No Data	No Data	No Data
Dimethyl siloxane	63148-62-9	>24000 mg/kg	>2000 mg/kg	>978 gm/m ³ /7.5H
2-Butanone,O,O', O"- (Methylsilylydyne)Trioxime	22984-54-9	No Data	No Data	No Data
Octamethylcyclotetrasiloxane	556-67-2	1540 mg/kg	1770 mg/kg	36 gm/m ³ /4H
Pigment Yellow	14059-33-7	No Data	No Data	No Data
Silicon Dioxide	112945-52-5	3160 mg/kg	No Data	No Data

Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion / irritation	Skin Irritation Category 2
Serious eye damage / irritation	Eye Irritation Category 2A
Respiratory or skin sensitization	Skin Sensitization Category 1
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Reproductive Category 2
STOT-single exposure	Specific Target Organ Toxicity – Single Exposure (Respiratory Irritation)
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

SUSPECTED CANCER AGENT: None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore are not considered to be, nor suspected to be a cancer-causing agent by these agencies.

IRRITANCY OF PRODUCT: Contact with this product can be irritating to exposed skin, eyes, and respiratory system.

SENSITIZATION OF PRODUCT: This product is considered a skin sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: Octamethylcyclotetrasiloxane CAS# 556-67-2 is listed by the European Chemical Commission as a reproductive hazard causing harmful effects to fertility or the unborn child.

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: May cause respiratory irritation.

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: None known

ASPIRATION HAZARD: None

INFORMATION ON OTHER HAZARD CLASSES WHICH RELATES TO ENDOCRINE DISRUPTING PROPERTIES:
No specific data available for this product

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, however release of this product may have long term effects on the aquatic environment.

Specific Component Data:

Octamethylcyclotetrasiloxane (556-67-2)

Test & Species Conditions

96 Hr LC50 Brachydanio rerio >500 mg/

96 Hr LC50 Lepomis macrochirus >1000 mg/L

24 Hr EC50 Daphnia magna 25.2 mg/L

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 ASSESSMENT: 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.

ENDOCRINE DISRUPTING PROPERTIES: No specific data available on 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

HAZARD CLASS NUMBER and DESCRIPTION: None

UN IDENTIFICATION NUMBER: None

PACKING GROUP: None

DOT LABEL(S) REQUIRED: None

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2020): 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)

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is not classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is not classified as Dangerous Goods, by rules of IATA:

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.

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: Yes

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)

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may apply, per 40 CFR 370.20.

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

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

None applicable.

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 Giftlist 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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T-800-535-8597

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.