

BITEC[®] Storm Breaker[™] Silicone Skylight Coating

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: 01/27/2025 Date of issue: 01/03/2024

Version: 1.1

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Storm Breaker[™] Silicone Skylight Coating

Product Code: 22800

Intended Use of the Product

For professional use only. See technical data sheet.

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

Classification (GHS-US)

Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens 1	H317

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Warning

Hazard Statements (GHS-US)

: H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H319 – Causes serious eye irritation

Precautionary Statements (GHS-US)

: P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves / eye protection / face protection.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P313 Get medical advice / attention.
P321 Specific treatment (see information on this label).
P333+313 If skin irritation or a rash occurs: Get medical advice / attention. P337+313 If eye irritation persists: Get medical advice / attention.
P362 Take off contaminated clothing and wash before reuse. P363 Wash contaminated clothing before reuse.
P501 Dispose of contents / container in accordance with local / national regulations.

Storm Breaker Silicone Skylight Coating

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product Identifier (CAS No)	% (w/w)
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	1-10
2-N-octyl-4-isothiazoline-3-one	26530-20-1	0.1-1.0
Chloro-methyl-isothiazolone/methylisothiazolone mixture	55965-84-9	<0.01

Composition comments Exact concentrations and chemical identities of ingredients not listed above are either classified as non-hazardous or are withheld as a trade secret as covered by OSHA's Hazard Communication Standard, 29 CFR 1910.1200(i).

SECTION 4: FIRST AID MEASURES

Description of first aid measures

- First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
- First-aid measures after inhalation : Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
- First-aid measures after skin contact : Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
- First-aid measures after eye contact : If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention.
- First-aid measures after ingestion : If swallowed give two glasses of water to drink. Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing skin, respiratory or eye problems may be aggravated by exposure to this product.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Foam, dry chemical, CO₂, water

Special hazards arising from the substance or mixture

Hazardous decomposition: Acrylic monomers

Avoid breathing dust / fume / gas / mist / vapors / spray.

Advice for fire-fighters

Wear SCBA and full protective gear when entering a confined or enclosed space to protect from normal combustion

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General measures : Keep upwind.

Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Storm Breaker Silicone Skylight Coating

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Methods and material for containment and cleaning up

Small spill: Remove with absorbent material.

Large spill: Eliminate all ignition sources. Ventilate enclosed areas or wear self-contained breathing apparatus. Recover free liquid in closed containers. Keep out of sewers and water courses. Clean area with absorbent material.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Keep from freezing.

See section 2 for further details.

Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage. Incompatible materials: No known incompatible materials for this product. Recommended storage range is 45-90°F. Keep container tightly closed.

See section 2 for further details.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits/Guidelines

1.

CAS No.	Ingredient	Source	Value
0025265-77-4	2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0026530-20-1	2-N-octyl-4-isothiazoline-3-one	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0055965-84-9	Chloro-methyl- isothiazolone/methylisothiazolone mixture	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0025265-77-4	2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0026530-20-1	2-N-octyl-4-isothiazoline-3-one	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0055965-84-9	chloro-methyl- isothiazolone/methylisothiazolone mixture	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

VENTILATION AND ENGINEERING CONTROLS: Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Storm Breaker Silicone Skylight Coating

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

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: Chemical splash goggles (ANSI Z-87.1 or approved equivalent).

HAND PROTECTION: Chemical impervious gloves required.

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
Odor	: Slight
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: 0°C (32°F)
Boiling Point	: 100°C (212°F)
Flash Point	: Non-combustible
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Greater than 1 Pa
Relative Vapor Density at 20 °C	: Not available
Density	: 8.5-8.9 pounds per gallon
Solubility	: Dispersible
Partition Coefficient: N-octanol/water	: Not available
VOC Content	: Less than 35 g /L
% Volatile	: 58-62% by volume

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Hazardous polymerization will not occur.

Chemical stability

Stable under normal circumstances.

Possibility of hazardous reactions

No data available.

Conditions to avoid

No data available.

Incompatible materials

No known incompatible materials for this product.

Hazardous decomposition products

Acrylic monomers

SECTION 11: TOXICOLOGICAL INFORMATION

Storm Breaker Silicone Skylight Coating

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate - (25265-77-4)	3,200.00, Rat - Category: 5	15,200.00, Rabbit - Category: NA	No data available	No data available	No data available
2-N-octyl-4-isothiazoline-3-one - (26530-20-1)	550.00, Rat - Category: 4	690.00, Rabbit - Category: 3	No data available	0.27, Rat - Category: 2	No data available
Chloro-methyl-isothiazolone/methylisothiazolone mixture - (55965-84-9)	5,000.00, Rat - Category: 5	5,000.00, Rabbit - Category: 5	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Toxic to aquatic life

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	EC50 crustacea, mg/l	ErC50 algae, mg/l
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate - (25265-77-4)	Not Available	Not Available	Not Available
2-N-octyl-4-isothiazoline-3-one - (26530-20-1)	0.0555, Oncorhynchus mykiss	0.18, Daphnia magna	(72 hr), Scenedesmus subspicatus

Storm Breaker Silicone Skylight Coating

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Chloro-methyl-isothiazolone/methylisothiazolone mixture - (55965-84-9)	Not Available	Not Available	Not Available
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Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

Not Measured

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

Proper Shipping Name : None
Hazard Class : None
Identification Number : None
Packing Group : None

In Accordance with IMDG

Proper Shipping Name : None
Hazard Class : None
Identification Number : None
Packing Group : None

In Accordance with IATA

Proper Shipping Name : None
Hazard Class : None
Identification Number : None
Packing Group : None

In Accordance with TDG

Proper Shipping Name : None
Hazard Class : None
Identification Number : None
Packing Group : None

SECTION 15: REGULATORY INFORMATION

Regulatory Overview

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA)

All components of this material are either listed or exempt from listing on the TSCA Inventory.

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No

Storm Breaker Silicone Skylight Coating

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%) :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%) :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 01/27/2025

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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