

**Section 1. Product and Company Identification**

**Product Name:** Exterior MicroFilm

**Product Use:** Concrete chemical hardener, sealer and micro-coating

**Effective Date:** March 1, 2021

**Replaces:** March 26, 2018

**Manufacturer Information:** Green Umbrella  
20 Jetview Drive  
Rochester, NY 14624

**Telephone:** 844-200-7336

**USA Emergency Phone Numbers:**

**INFOTRAC (24 hour/7 days): 1-800-535-5053**

**Outside the United States call collect: 1-352-323-3500**

**For Medical Emergency: 1-800-535-5053**

**Section 2. Hazard Identification**

**GHS Pictograms:**



**GHS Signal Word: WARNING**

Avoid contact with eyes and skin. Keep out of reach of children. This product may be harmful if inhaled or swallowed.

**POTENTIAL HEALTH EFFECTS:**

**CODE OF HAZARD STATEMENTS:**

**Physical Hazards:** None

**Health Hazards:** H303 - May be harmful if swallowed  
H312 - Harmful in contact with skin  
H319 - Causes Serious eye irritation  
H333 - May be harmful if inhaled

**Environmental Hazards:** None

**CODE OF PRECAUTIONARY STATEMENTS:**

**General:** P101 - Keep out of reach of children  
P103 - Read label before use

**Prevention Statements:**

P202 - Do not handle until all safety precautions have been read and understood  
P262 - Do not get in eyes, on skin or on clothing  
P264 - Wash thoroughly after handling or using this product  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P284 - Wear respiratory protection

**Response Statements:**

P312 - Call a POISON CENTER or a doctor/physician if you feel unwell  
P331 - DO NOT induce vomiting  
P340 - Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P352 - Wash with plenty of soap and water  
P362 - Take off contaminated clothing and wash before reuse

### Section 2. Hazard Identification (continued)

**Storage: KEEP FROM FREEZING**

P403 - Store in a well-ventilated place

P404 - Store in a closed container

**ROUTES OF ENTRY:** Eye contact, skin absorption, ingestion and inhalation**CARCINOGENICITY:** None known at this time

### Section 3. Ingredients and Hazards Identification

Components				
Components	CAS#	EINECS No.	% by weight	REACH REG. #
Prop.	Prop.	Prop.	1-8	No
Prop.	Prop.	Prop.	1-8	Yes
Prop.	N/A	N/A	15-25	N/A
Amorphous Silicate (in water)	7631-86-9	231-545-4	10-15	Yes
Water	7732-18-5	231-791-2	Balance	No

REACH Registration number is the EINECS # and CAS #

### Section 4. First Aid Measures

**Eye Contact:** Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.

**Skin Contact:** Use soap and water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse.

**Inhalation:** Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.

**Ingestion:** If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

### Section 5. Fire Fighting Measures

**Flash Point:** Not flammable

**Flammability Limits:** NE

**Fire Fighting Media:** Dry chemical, carbon dioxide, and water spray.

**Special Fire Fighting Procedures:** First responders need to wear full bunker gear with SCBA. Never enter a confined space unless fully protected with proper personal protective equipment (PPE). Material is alkaline and may cause the floor to be slippery.

### Section 6. Accidental Release Measures

**Clean-Up Procedures:** Material is alkaline wear proper PPE. Stop the source of the release if you are not put at risk. Use absorbent material (such as sand or kitty litter) to absorb the spill. Use plastic shovel to pick up absorbent for disposal.

**Spills and Leaks:** Dispose in accordance to local, state or federal regulations.

### Section 7. Handling and Storage

**Handling:** Do not get into eyes. Do not taste or swallow. Wash thoroughly after handling.

**Storage:** Store in original labeled container. Keep in cool and dry areas. Keep from freezing.

### Section 8. Exposure Control/Personal Protection

**Introductory Remarks:** Consider the potential hazards of this product outlined in Section 3. Use process exposures such as local exhaust ventilation, to control over-exposure to airborne levels above recommended exposure limits.

**Personal Protection -**

**Eyes:** Wear Safety Goggles or Safety Glasses to prevent eye contact.

**Body:** Long sleeve shirts, long pants, socks, rubber boots and chemical-resistant gloves.

**Hands:** Chemical resistant gloves.

**Respiratory:** Wear an approved respirator that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

**Other:** None

### Section 9. Physical and Chemical Properties

Physical and Chemical Properties			
Odor/Color	pH	VOC	Solubility
Odorless/White liquid	11.0	< 50 g/L	>95% in water
Vapor Pressure	Density (water=1)	Boiling Point	Freezing Point
<2.2 torr @ 68°F (20°C)	1.083 @ 68F (20C)	212°F (100°C)	0C (32F)
Vapor Density (air=1)	Evaporation Rate (water = 1)		
>1	< 1.0		

**Section 10. Stability and Reactivity**

**Chemical Stability:** Considered stable under normal ambient temperatures.

**Hazardous Decomposition:** If complete combustion, oxides of carbon and mineral salt are formed.

**Hazardous Polymerization:** Will not occur.

**Incompatibility - Materials to Avoid:** May react with strong oxidizing agents and strong acids.

**Section 11. Toxicological Information**

**Acute Eye Irritation:** Irritating

**Acute Skin Irritation:** Chronic exposure may be irritating

**Acute Dermal Toxicity:** Not expected to be toxic through the skin

**Acute Inhalation Toxicity:** Not determined, expected to be an irritant to the respiratory system

**Carcinogenic Effects:** None

**Existing Medical Conditions Aggravated by Exposure:** Exposure to eyes and skin may cause irritation to pre-existing conditions

**Section 12. Ecological Information**

**Eco-toxicity:** The toxicity of this product has not been determined.

**Environmental Fate:** This product should be expected to be readily bio-degradable.

**Section 13. Disposal Considerations**

**Waste Disposal Method:** Whatever cannot be saved for recovery or recycling should be managed by the local, state or Federal regulations.

**Container Handling and Disposal:** All containers should be triple rinsed and disposed of according to local, state and Federal regulations.

**Section 14. Transport Information****KEEP FROM FREEZING**

**Ground Classification:** Not regulated by the US DOT

**Shipping Name:** Exterior MicroFilm

**Technical Shipping Name:** None

**UNFIC:** None

**ID Number:** None

**Packaging Group:** None

**Labels:** No US DOT Labels

**Not regulated by IATA or IMO**

<b>Section 15. Regulatory Information</b>
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**EPCRA 311/312 Categories:**


Immediate (Acute) Health Effects: Yes  
 Delayed (Chronic) Health Effects: Yes  
 Fire Hazard: No  
 Sudden Release of Pressure No  
 Reactivity: No

**Right to know classification:** All ingredients are listed in CA, FL, PA, MA, MI, MN and NJ.

**TSCA:** All ingredients listed or exempt from listing.

**Reportable Quantity (RQ):** None

**Prop. 65:** None

**WHMIS:**  Xi (Irritant to the eyes and skin)

All ingredients are listed in chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK

**ABBREVIATIONS:**

CAS #	Chemical Abstract Service Number	<	Less Than or Equal To
EINECS	European Inventory of existing	>	Greater Than or Equal To
	Commercial Chemical Sales	CNS	Central Nervous System
°C	Celsius temperature scale	CI	China
°F	Fahrenheit temperature scale	DSL	Canada
Prop.	Proprietary	ECL	Korean Existing Chemicals List
PPE	Personal Protective Equipment	EEC	European Economic Commission
TLV	Threshold Limit Value	ENCS	Japanese Existing and New
TWA	Time Weighted Average		Chemical List
STEL	Short-term Exposure Limit	EU	European Union
PEL	Permissible Exposure Limit	MAC	Netherlands
OSHA	Occupational Safety & Health	MAK	Germany
NIOSH	National Institute of Safety & Health	MITI	Japan
NFPA	National Fire Protection Agency	PICCS	Philippines
WHMIS	Workplace Hazardous Materials	SWISS	Giftliste 1
	Information System	UK	United Kingdom
NTP	National Toxicology Program	USA	United States
IARC	Int. Agency for Research on Cancer	VOC	Volatile organic content
RCRA	Resource Conservation Recovery	ACGIH	American Conference of
	Act		Government Industrial Hygienists
TSCA	Toxic Substance Control Act	SARA	Superfund Amendments and
EC50	Effective Dose		Reauthorization Act
LC50	Lethal Inhalation Concentration	AICS	Australian Inventory of Chemical
LD50	Lethal Dose		Substances
CAS	Chemical Abstract Service Number	IARC	International Agency for Research
LEL	Lower explosive limit		on Cancer
UEP	Upper explosive limit	Taiwan	List of Toxic Chemical Substances
NDA	No Data Available		regulated under Taiwan Toxic
ND	Not determined		Chemical Substances Control Act of
NE	None established		1086
NA	Not Applicable		

<b>Section 16. Other Information</b>
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**Hazardous Material Information (HMIS)****National Fire Protection Association(NFPA)**

Health	1	1	Health
Fire	0	0	Fire
Reactivity	0	0	Instability
Personal Protection	C		NA

<b>Health</b>	4	Deadly	3	Extreme Danger	2	Dangerous	1	Slight Hazard	0	No Hazard
<b>Fire</b>	4	<73°C	3	<100°C	2	<200°C	1	>200°C	0	Will Not burn
<b>Reactivity/ Instability</b>	4	May Detonate	3	Explosive	2	Unstable	1	Normally stable	0	Stable

**Risk phrases:**

R36 - Irritating to eyes

R37 - Irritating to respiratory system

R38 - Irritating to skin

**Safety phrases:**

S2 - Keep out of reach of children

S24 - Avoid contact with skin

S25 - Avoid contact with eyes

S37 - Wear suitable gloves

S39 - Wear eye/face protection

**Disclaimer:**

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