

SAFETY DATA SHEET



Section 1. Product and Company Identification

PRODUCT NAME: Moisture Bloc 5

PRODUCT USE: Penetrating Reactive Interior-Exterior Surface Colorable Hardener for Open & Profiled Surfaces

EFFECTIVE DATE: December 2021

MANUFACTURER
INFORMATION:



Green Umbrella
20 Jetview Drive Rochester, NY 14624
(844) 200-7336

EMERGENCY PHONE
NUMBER:

For Hazardous Materials [or Dangerous Goods]
Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC 24 Hours
1-800-424-9300 / +1 703-527-3887

CCN: 871558

Section 2. Hazard Identification

GHS PICTOGRAMS:



GHS SIGNAL WORD:

WARNING.
Causes severe eye irritation

POTENTIAL HEALTH EFFECTS

CODE OF HAZARD STATEMENTS:

Physical Hazards

None

Health Hazards

H303 May be harmful if swallowed.
H320 Causes eye irritation

Environmental Hazards

None

Section 2. Hazard Identification (Continued)

CODE OF PRECAUTIONARY STATEMENTS:

General

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P103 - Read label before use

Prevention Statements

P234 - Keep only in original container

P273 - Avoid release to the environment

P281 - Use personal protective equipment as required

Response Statements

P331 - Do NOT induce vomiting

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P305+P351+P338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Storage

P410 - Protect from sunlight

P501 - Dispose of contents/container to in accordance with local/regional/national/international regulation.

ROUTES OF ENTRY:

Eye contact, skin adsorption, ingestion and inhalation.

CARCINOGENICITY:

None know at this time.

Section 3. Ingredients and Hazards Identification

Component	CAS #
Water	7732-18-5
Sodium Silicate	1344-09-8
Proprietary Surfactant Blend	Trade Secret

*Undisclosed ingredients are withheld as trade secrets

Section 4. First Aid Measures

EYE CONTACT:

Flush immediately with large amounts of clean water for a minimum of 15 minutes, lifting upper and lower lids occasionally. Do not rub eyes. If any irritation persists, seek medical attention.

SKIN CONTACT:

Rinse area with soap and water.

INHALATION:

If breathing is difficult or irritating, move person to fresh air immediately.

INGESTION:

Do not induce vomiting. If the person is conscious, give two glasses of water to dilute the ingested material. Follow up with several glasses of fruit juice or very dilute vinegar or carbonated soda to neutralize the alkaline material. Small amounts that may have accidentally entered the mouth should be rinsed out thoroughly with water. Seek medical attention immediately.

Section 5. Fire Fighting Measures

FLASH POINT:	> 212° (F)
FLAMMABILITY LIMITS:	NE
FIRE FIGHTING MEDIA:	N/A
SPECIAL FIRE FIGHTING PROCEDURES:	N/A

Section 6. Accidental Release Measures

CLEAN-UP PROCEDURES:	Contain large spills with dikes to prevent entry to waterways and sanitary sewers and transfer the material to appropriate containers for reclamation or disposal. Absorb/trap remaining material or small spills with inert material (dirt, sand, industrial absorbent) and then place in a chemical waste containers. Flush residual spill area with large amounts of water. Dispose of all clean up materials in accordance with all applicable federal, state, and local health and environmental regulations.
SPILLS AND LEAKS:	Dispose in accordance to local, state or federal regulations.

Section 7. Handling and Storage

HANDLING:	Wear proper Personal Protective Equipment when handling.
STORAGE:	Keep away from children.

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 (NIOSH TC-84A rated or EN 14387) that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

Section 9. Physical and Chemical Properties

Odor/Color	Odorless to slight odor, Colorless	Physical State	Liquid
pH	11.0 – 11.4	Freeze Point	32° F
V.O.C.	0.0 g/L	Solubility	Soluble
Boiling Point	> 212 F	Specific Gravity	1.324 – 1.61

Section 10. Stability and Reactivity

CHEMICAL STABILITY:	Yes
CONDITIONS TO AVOID:	Nothing Known.
MATERIALS TO AVOID (INCOMPATIBILITY):	Nothing Known.
HAZARDOUS DECOMPOSITION PRODUCTS:	May react with strong oxidizing agents and strong acids.
HAZARDOUS POLYMERIZATION:	Will not occur

Section 11. Toxicological Information

TOXICITY DATA:	1.0-2.2 gm/kg oral-rat LD50	
IRRITATION DATA:	Draize Eye (pH/Weight Ratio of SiO2/Na2O): 11.6/2.54 Irritant; 11.6/2.4 Irritant; 12.2/2.0 Corrosive; 12.4/1.8 CorrosiveNot expected to be toxic through the skin.	
LOCAL EFFECTS:	Irritant: inhalation, skin, eye	
ACUTE TOXICITY LEVEL:	Moderately Toxic: ingestion	
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	respiratory disorders, skin disorders and allergies	
HEALTH EFFECTS:	Inhalation: Unknown Skin Contact: Skin irritation Eye Contact: Eye irritation	Ingestion: Unknown Chronic Toxicity: No information available Carcinogenicity: Product is not listed Hazard Type: Skin/Eye irritant

Section 12. Ecological Information

ECOTOXICITY:	FISH TOXICITY: This material has exhibited moderate toxicity to aquatic organisms.This product should be expected to be readily biodegradable.
FATE AND TRANSPORT:	BIODEGRADATION: This material is inorganic and not subject to biodegradation. PERSISTENCE: This material is believed to persist in the environment. BIOCONCENTRATION: This material is believed not to bioaccumulate. OTHER ECOLOGICAL INFORMATION: This material has exhibited slight toxicity to terrestrial organisms.

Section 13. Disposal Considerations

WASTE DISPOSAL
METHOD:

Dispose of in accordance with local, state, and federal regulations.

Section 14. Transport Information

DOT TRANSPORTATION DATA (49 CFR 172.101):

This product is classified as a Non-Regulated material with regards to shipping over the road. This is based on an exemption in the DOT protocols, Section 173.154 Exceptions for Class 8 (corrosive materials), Item (d) Materials corrosive to aluminum and steel only. Item (d) states that "Except for a hazardous substance or a hazardous waste, a material classed as a Class 8, Packing Group III, material solely because of its corrosive effect – (1) On aluminum is not subject to any other requirements of this subchapter when transported by motor vehicle or rail car in a packaging constructed of materials that will not react dangerously with or be degraded by the corrosive material". The raw materials used in this product passed both the 1020 carbon steel and skin test and is still classified as a DOT Non Regulated material even though it failed the aluminum test protocol. Note: The DOT test protocols only indicate how a material can be shipped via ground transportation and applies to the U.S. only. This exemption does not apply to air and marine shipments.

This product is not classified as dangerous under the transport regulations for road, rail, sea, or air transport.

UN Number: None allocated

UN Shipping Name: None allocated

Class & Subsidiary risk: None allocated.

Not Hazardous Packing Group: None allocated

Special Precautions for user: None.

See section 5,6,7 & 8 for any associated handling and precautions.

Hazchem code: None allocated.

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Water Act (CWA) 307: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

FDA:

Sodium Silicates have Generally Recognized as Safe (GRAS) status under specific FDA regulations. Refer to the Code of Federal Register 21 CFR 173, 175, 176, 177, 182, and 184, which is accessible on the FDA's website.

STATE REGULATIONS:

California Proposition 65: This product is not listed, but it may contain contaminants known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW:
REPORTING REQUIREMENT:

SODIUM SILICATE 1344-09-8 35-53%
WATER 7732-18-5 47-65%

RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST:
Not regulated.

SPECIAL HEALTH HAZARD SUBSTANCE LIST:
Not regulated.

PENNSYLVANIA RIGHT TO KNOW:

REPORTING REQUIREMENT:

SODIUM SILICATE 1344-09-8 35-53%
WATER 7732-18-5 47-65%

HAZARDOUS SUBSTANCE LIST:
Not regulated.

ENVIRONMENTAL HAZARDOUS SUBSTANCE LIST:
Not regulated.

SPECIAL HAZARDOUS SUBSTANCE LIST:
Not regulated.

CANADIAN REGULATIONS:

CONTROLLED PRODUCTS REGULATIONS (CPR): This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASSIFICATION: D2B.

NATIONAL INVENTORY STATUS:

U.S. INVENTORY (TSCA): All the components of this substance are listed on or are exempt from the Page 7 of 8 inventory.

TSCA 12(b) EXPORT NOTIFICATION:
Not listed.

CANADA INVENTORY (DSL/NDL):
All components of this product are listed on the DSL.

Section 16. Other Information

HAZARDOUS MATERIAL INFORMATION (HMIS)			NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)	
Health			Health	3
Fire			Fire	0
Reactivity			Instability	0
Personal Protection			Reactivity	0
HEALTH	FIRE	REACTIVITY/ INSTABILITY		
4 Deadly	4 <73°C	4 May Detonate		
3 Extreme Danger	3 <100°C	3 Explosive		
2 Dangerous	2 <200°C	2 Unstable		
1 Slight Hazard	1 >200°C	1 Normally Stable		
0 No Hazard	0 Will Not burn	0 Stable		

DISCLAIMER:

The information is furnished without warranty, representation, inducement, or license of any kind, except that it is accurate to the best of Green Umbrellas’ knowledge. Because use conditions and applicable laws may differ from one location to another and may change with time, recipient is responsible for determining whether the information is appropriate for recipient’s use. Since company has no control over how this information may be ultimately used, all liability is expressly disclaimed and company assumes no liability.