

Safety Data Sheet

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



DB Concrete Waterproofing
107 W Highland Blvd
Watertown, SD
Emergency Phone: (605) 520-5073

SDS NUMBER: *MP002-18*

EFFECT DATE: *December 8, 2020*

CHEMICAL NAME: *Organo-Siliconate*

USES: *Masonry waterproofing agent.
Permanently waterproof masonry from the inside out.
No topcoat or sealcoat to chip, peel or wear*

2. HAZARD IDENTIFICATION



	3	Health
	0	Flammability
	0	Reactivity
	YES	Protective Equipment

Corrosive liquid: Contact causes severe eye and skin burns and may cause respiratory tract burns if inhaled

3. COMPOSITION

An alkali-stabilized, proprietary blend of organo-siliconate in water. A trade secret is being claimed for a specific chemical identity and exact percentages.

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4. FIRST AID

General Information: Get medical attention immediately. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of safety data sheet when you go for medical attention.

After inhalation: If inhaled as aerosol, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

Eyes: Immediately holds eyelids apart and flush with water for at least 15 minutes. Seek immediate medical attention.

Skin: Immediately flush with water, for at least 15 minutes.

Ingested: Immediately drink water, do not induce vomiting. If vomiting does begin give additional fluids. Seek medical attention immediately. Designate the product.

Advice for the physician: Treat symptomatically. Possible damage to mucous membranes may be a contra-indication to pumping out the stomach.

5. FIRE SAFETY MEASURES

Fire and explosion hazards: none

Recommended extinguishing methods: Material does not burn. Use extinguishing methods appropriate to the source of the fire.

Unsuitable extinguishing methods: none known

Fire-fighting procedure: Fire fighters should wear full protective clothing including self-contained breathing apparatus. Cool endangered containers with water.

6. ACCIDENTAL RELEASE

Precautions: Keep unprotected persons away. Wear personal protection equipment. Avoid inhaling mists and vapors. Avoid contacts with skin and eyes.

Containment: Prevent material from entering sewers and surface waters. Contain leaks using suitable material (e.g. absorbents).

Spills of material which reach surface waters must be reported to the United States Coast Guard Response Center's toll-free phone number (800) 424 8802.

Methods for cleaning up: Take up mechanically and dispose of according to local/state/federal regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations.

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7. HANDLING AND STORAGE

Handling

Precautions for safe handling: Avoid contact with acids. Avoid formation of aerosols. In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection)

Precautions against fire and explosion: none

When handling undiluted product, wear impervious gloves & chemical goggles or full-face shields. If this product is spilled on clothing remove clothing immediately and flush affected skin with water.

Storage

Conditions for storage rooms and vessels: Protect against frost. Do not store in containers made of aluminum or other light metals.

Advice for storage of incompatible materials: Avoid contact with acids. Further information for storage: Keep container lid closed tightly

Minimum temperature allowed during storage and transportation 0 °C (32°F)

Application

Once diluted and applied to soil the product becomes inert.

8. EXPOSURE CONTROL & PERSONAL PROTECTION

Respiratory protection: None required for most operations. If respiratory irritation is experienced, use an air-purifying respirator

Ventilation: Good general ventilation should be sufficient for most conditions. Respiratory protection: Respiratory protection is not usually required. If spraying or other operations which generate an aerosol mist are conducted, respiratory protection for exposed personnel is recommended. A NIOSH approved air purifying respiratory equipped with universal multi-containment, multi-gas/vapor cartridges and at least P-99 solid/aerosol particulate filters is recommended if overexposure to dusts, mists or vapors could occur. If eye-irritating dust or vapors are present, a full-face respirator should be worn.

Eye protection: Chemical goggles or full-face shields

Skin protection: Chemically impervious gloves.

Other protective clothing or equipment: Additional skin protection, such as SARANEX coated Tyvek apron, over-sleeves, lab coat, coveralls, or protective suit should be worn if splashing could occur. **Provide work area with emergency shower and eye bath capabilities.**

General hygiene and protection measures: Do not breathe dust/vapor/mist/gas/aerosol.

Avoid contact with eyes and skin. Do not eat or drink while handling. Wash thoroughly after handling

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9. PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT:	212°F (100°C)
MELTING POINT:	N/A
FLASH POINT:	N/A
IGNITION TEMP:	1112°F (600°C)
LOWER EXPLOSION LIMIT:	not applicable
UPPER EXPLOSION LIMIT:	not applicable
SPECIFIC GRAVITY:	1.26 -1.28
SOLUBILITY/MISCIBILITY	Completely miscible
VAPOR PRESSURE:	12.75 mm Hg @ 32°F (0°C)
pH-VALUE	13 – 14
VISCOSITY:	50 Centipoises @ 77°F (25°C)
APPEARANCE:	liquid
ODOR:	slight
COLOR:	amber

10. STABILITY & REACTIVITY

General information: If handled and stored in accordance with the standard industrial practices no hazardous reactions are known.

Conditions to avoid: None known

Materials to avoid: Reacts with acids. Reaction causes release of heat.

11. TOXICOLOGICAL INFORMATION

Toxicological results are based on tests with similar materials:

Acute toxicity, LD50/LC50 (rats) >2000 mg/kg

Bacterial Reverse Mutation Test: not mutagenic

12. ECOLOGICAL INFORMATION

Ecotoxicity: by analogy

Species	Test Method	Exp. Time	Result
Daphnia magna	acute	48 h	>100 mg/l (EC50)
Daphnia magna	acute	48 h	>100 mg/l (EC100)

No expected adverse effects to aquatic organisms, but harmful effect through pH-shift possible.

Prevent material from entering surface waters.

Biologically not degradable, but bio-accumulation is not expected to occur.

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13. DISPOSAL

RCRA Waste Classification: D002 (Corrosive) Observe local/state/federal regulations. Dispose of according to regulations by incineration in an approved facility.

14. TRANSPORT INFORMATION

US D.O.T. and Canada TDG surface:
Valuation: Hazardous product
Proper shipping name: Corrosive liquid, basic, organic, n.o.s.
Technical name: An alkali-stabilized proprietary blend of organo-siliconate in water.
Class: 8 UN number: 3267 Label: corrosive
Other Information: Protect from freezing

Transport by sea:
Valuation: Hazardous product
Class: 8
UN number: 3267
Proper shipping name: Corrosive liquid, basic, organic, n.o.s.
Technical name: An alkali-stabilized proprietary blend of organo-siliconate in water.
Hydroxide Label: corrosive
EMS number: F-A, S-B
Marine Pollutant: no Air Transport:
Valuation: Hazardous product Class: 8
UN number: 3267
Shipping Name: Corrosive liquid, basic, organic, n.o.s.

15. REGULATIONS

US Federal Regulations:
TSCA inventory status and TSCA information: This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory TSCA 12(b) Export Notification: This material does not contain any TSCA 12 (b) chemicals.
CERCLA Regulated Chemicals:
CAS no. 1310-58-3/Chemical-Potassium hydroxide/RG- 1000lbs/Upper limit wt%- 1.816

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SARA 302 EHS Chemicals: This material does not contain any SARA extremely hazardous substances

SARA 311/312 Hazard class: Immediate (acute) health hazard

SARA 313 chemicals: This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS (Hazardous Air Pollutants): This material does not contain any HAPS.

U.S. State Regulations:

California Proposition 65 Carcinogens: This material does not contain any chemicals known to the state of California to cause cancer.

California Proposition 65 Reproductive toxins: This material does not contain any chemicals known to the state of California to cause reproductive effects

Massachusetts substance list: 1310-58-3 Potassium Hydroxide

New Jersey right-to-know hazardous substance list: 1310-58-3 Potassium Hydroxide

Pennsylvania right-to-know hazardous substance list: 1310-58-3 Potassium Hydroxide

Canadian Regulations:

This product has been classified in accordance with the hazard criteria if the CPR and the MSDS contains all the information required by the CPR.

WHMIS hazard class: E

DSL status: This material or its components are listed on the Canadian Domestic Substance list.

Canadian Ingredient Disclosure list: 1310-58-3 Potassium Hydroxide