Technical Data Sheet

Our waterproofing product is used to impart hydrophobicity and water repellency to all types of masonry. Capillary water uptake is thus prevented, resulting in permanent waterproofing as well as frost resistance.

DB Concrete Waterproofing
107 W Highland Blvd
Watertown, SD 57201
Phone: 605-520-5073
Email:dberg82003@yahoo.com

Composition	Organo-siliconate, a proprietary blend of potassium siliconate in water.
Appearance	amber colored liquid
Percent Active Ingredients	52%
Viscosity Viscosity cST@ 40°C	50 Centipoises @ 77°f (25°C)
Volatility	Nil (not volatile – no VOCs)
Boiling Point	212°F (100C°)
Specific Gravity	1.26 -1.28
Solubility	Completely miscible in water
Freeze - Thaw Stability	Protect from freezing
Odor	Slight
pH	13 - 14 (in concentrated form)
Vapor Pressure	12.75 mm Hg @ 32°F (0°C)
Density, lbs./U.S. gal, 25C	6.99
Stability & Reactivity	Stable. Reacts with acids. Reaction causes the release of heat. Hazardous
Shelf life	18 months

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Packaging	265 gallon IBC plastic totes. Bulk
DOT Regulations	Non-regulated
CAS REG No.	None-hazardous
Hazardous Substance per 40 CFR 116	RCRA Waste Classification: D002 (Corrosive)
Poison constituent per 40 CFR 173	None
UN/NA Code	Not applicable
Reportable Quantity	Not applicable
OSHA Hazard Class	Class: 8 UN number: 3266
California Proposition 65 Carcinogens:	material does not contain any chemicals known to the state of California to cause cancer.
WHMIS hazard class:	E
Proper shipping name: Corrosive liquid, basic, inorganic, n.o.s.	

Mode of Action: This product is a proprietary, stabilized aqueous blend of potassium methyl siliconate, designed to impart water repellency to a range of inorganic surfaces. It is used in diluted form for the impregnation of a wide variety of mineral construction materials to make them water-repellent.

The water-diluted product may be applied to dampened mineral surfaces by spraying, dip, brush or roller. Maximum water repellency is achieved after allowing the treated substrate to dry for 24 hours.

The product develops its water-repellent properties by reaction with atmospheric carbon dioxide, forming potassium carbonate and the water-repellent active agent polymethylsilicic acid.

This active agent penetrates pores and capillaries in the mineral substrate, depositing a siliconate-resin network ionically bonded to the mineral surfaces.

Treatment with this product imparts water repellency while reducing water absorbance and spalling potential due to freeze-thaw or efflorescence. Unlike conventional silicone surface paints, treatment penetrates deeply into the mineral pores to assure long-term performance and mineral product appearance.