

BEP Perma Seal - Concrete Crack Repair 4600**Section 1: Identification****Product identifier**

Product Name: BEP Perma Seal – Concrete Crack Repair

Other means of identification

Product number: 4600

Recommended use

Adhesive / Sealant /Mortar Repair

Supplier's details

Dominus Innovations
2022 N. West Shore Blvd. Suite 200
Tampa, FL 33607
Tel: 813-279-1902
www.BEPproducts.com

Emergency telephone number

Call ChemTel - 24hrs. / 7days per week - North America (US & Canada) *Toll Free:* 800-255-3924
- Outside North America: +01-813-248-0585

Section 2: Hazard identification**Emergency Overview**

May cause skin and eye irritation. May be harmful if inhaled or swallowed. Do not swallow. Do not get on skin or clothing. Avoid breathing vapor or mist. Avoid contact with eyes. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly with water and soap after handling.

**Potential Health Effects**

Inhalation: May be harmful if inhaled. Irritating to respiratory system.
Can irritate eyes, nose, mouth and throat

Ingestion: May be harmful if swallowed.

Skin: Irritating to skin. May cause an allergic skin reaction.

Eyes: Irritating to eyes.

HMIS: Health – 1	Flammability – 0	Physical hazards – 0
NFPA: Health – 1	Flammability – 0	Reactivity – 0

Section 3: Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Percentage</u>
Calcium Carbonate	13417-65-3	30 – 60 *
Silylated Polyether Resin	Trade Secret	10 – 40 *
1,2-Benzenedicarboxylic acid di-C9-11-branched alkyl esters C10-rich	68515-49-1	2 – 20 *
Trimethoxyvinylsilane	2768-02-7	0.5 – 2.5 *
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	1760-24-3	0.5 – 3.5 *
Titanium Dioxide	13463-67-7	0.5 – 3.5 *
Silicon Dioxide	112945-52-5	0.1 – 3.5 *
Naptha, petroleum, heavy alkylate	64741-65-7	0.01 – 0.5 *
Dibutyltin Dilaurate	77-58-7	0.05 – 0.5 *

* Exact percentages of composition have been withheld as trade secret.

Section 4: First-Aid Measures

- General advice:** If ingestion, irritation, or any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately. Never give anything by mouth to an unconscious person.
- Eye contact:** Immediately flush eyes with running water for at least 15 minutes and seek immediate medical attention.
- Skin contact:** Remove contaminated clothing and wash affected area thoroughly with soap and water or a recognized skin cleanser.
- Inhalation:** Remove individual to fresh air. If individual is not breathing or if breathing is irregular provide artificial respiration or oxygen by trained personnel. Seek immediate medical attention.
- Ingestion:** If swallowed, seek immediate medical attention and provide a copy of this SDS. Do not induce vomiting.
- Notes to physician:** Products of decomposition of this product may result in delayed symptoms. Exposed person may need to be kept under medical surveillance for 48 hours.

Section 5: Fire Fighting Measures

- Extinguishing media:** Use any suitable fire extinguishing media for the surrounding fire.
- Exposure hazards:** Remove all persons from the vicinity of the incident. Water contaminated with this material must be prevented from being discharged to waterways, sewers, or drains.
- Products of Combustion:** May include carbon oxides.

Section 6: Accidental Release Measures

- Personal precautions:** Evacuate surrounding area. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Ensure adequate ventilation. Put on appropriate personal protective equipment.
- Environmental precautions:** Avoid dispersal of spilled material and runoff as well as contact with soil, waterways, drains, and sewers. Inform relevant public service authorities if the above is suspected. May be harmful to the environment if released in large quantities.
- Containment & Clean-up:**
- **Large Spill:** Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spilled material with non-combustible, absorbent material e.g. sand, earth, vermiculite, or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.
 - **Small spill:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up or absorb with an inert dry material and place in an appropriate waste receptacle. Dispose of via a licensed waste disposal contractor.

Section 7: Handling and Storage

- Handling:** Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Do not ingest. Do not get in eyes or on skin or clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear an appropriate respirator when ventilation is inadequate. Keep material in the original container and close tightly when not in use. Do not reuse container.
- Storage:** Store in accordance with local regulations. Store only in the original container. Protect from direct sunlight and keep in a dry, cool, well ventilated area away from incompatible materials. Keep product tightly closed and sealed until ready to use. Do not store above 120F / 49C.

Section 8: Exposure Controls/Personal Protection

Exposure limits:

<u>Chemical Name</u>	<u>Result</u>	<u>ACGIH</u>	<u>OSHA</u>
Titanium Dioxide	TWA	10 mg/m ³	15 mg/m ³ Total Dust
	STEL	NA	NA
Silicon Dioxide	TWA	NA	NA

Engineering measures: When applying this material in an open system, local exhaust ventilation should be provided to control exposure when rolling, spraying, or curing at elevated temperatures.

Respiratory: Where exposures exceed the established limit(s) use appropriate respiratory protection.

Eyes: Wear eye protection such as safety glasses at a minimum.

Skin: Avoid contact with skin. Wear impervious rubber gloves during application.

Additional: Food, beverages, and tobacco products should not be consumed or stored where this material is in use. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

Section 9: Physical and Chemical Properties

Physical state: Paste/Gel Liquid
Appearance: Viscous
Color: Grey
Odor: Weak
pH: N/A
Boiling point: N/A
Freezing point: N/A
Specific gravity: 1.2 – 1.6
Vapor pressure: N/A
Vapor density: N/A
Percent Volatile: <1.0% (v/v)

Section 10: Stability and Reactivity

<u>Stability:</u>	Stable
<u>Conditions to avoid:</u>	Avoid excessive heat.
<u>Materials to avoid:</u>	Reactive or incompatible with water, acids, oxidizing materials, strong alkalis.
<u>Polymerization:</u>	Will not occur.
<u>Hazardous decomposition products:</u>	None known.

Section 11: Toxicological Information

<u>Ingredient</u>	<u>Species</u>	<u>Result</u>	<u>Dose</u>
Titanium Dioxide	Rat	LD50 Oral	>10 g/kg

Target organs: Contains material which causes damage to the following organs: upper respiratory tract, skin, eyes.

Carcinogenicity: Contains material which may cause cancer:

<u>Ingredient</u>	<u>ACGIH</u>	<u>IARC</u>
Titanium Dioxide	A4	2B
Silicon Dioxide	-	3

Section 12: Ecological Information

Environmental effects: Not Determined.

Section 13: Disposal Considerations

A licensed waste disposal contractor should dispose surplus material. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal should be in accordance with all applicable regional, national and local laws and regulations.

Section 14: Transport Information

DOT

Not regulated for all modes of transportation

IMDG – Ocean Shipment

Not subject to IMDG code

IATA – Air Shipment

Not subject to IATA regulations

Section 15: Regulatory Information

International Inventories

TSCA Meets Requirements
(TSCA- United States Toxic Substances Control Act Section 8(b) Inventory Complies)

DSL/NDSL Meets Requirements
(Canadian Domestic Substances List/Non Domestic Substances List)

US Federal Regulations

SARA 313

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

CWA (Clean Water Act)

This product does not contain substances regulated as pollutants and described in the Clean Water Act (40 CFR 122.21 & 40 CFR 122.42)

CERCLA

This product contains no substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and pertaining to releases of this material.

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals
U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Calcium carbonate	13417-65-3	No	Yes	Yes	Yes	Yes
Diisodecyl phthalate	26761-40-0	Yes	No	No	No	Yes
Titanium dioxide(inbound in mixture)	13463-67-7	No	Yes	Yes	Yes	Yes

Section 16: Other Information

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The information contained within this document was written based on scientific knowledge and understanding of the potential health and safety aspects of the individual components and the mixture thereof at the time of its writing. No warranty or guarantee is given with respect to the properties of the product or its components. No liability can be accepted for any failure to observe precautionary measures as described within this document or for any inappropriate or misuse of the product.

End of Safety Data Sheet