

# Bon<sup>®</sup>

## SAFETY DATA SHEET

### WATER BASED CONCRETE STAIN - DESERT SAND

#### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Bonway Water Based Concrete Stain - Desert Sand

Part #: #32-800; 32-850

Manufactured by:  
Bon Tool Co.  
DBA Bonway  
4430 Gibsonia Rd.  
Gibsonia, PA 15044  
800-444-7060  
www.bontool.com

Emergency Hot Line:  
ChemTel  
ph: 800-255-3924

Date prepared: 10/7/2015

Product Use: Concentrated stain for cured concrete and may be applied over sealed surfaces (refer to application instructions).

Not recommended for: Non-porous substrates (e.g. metal, resins, fiberglass) when submerged in water or exposed to severe weather conditions.

#### 2. HAZARDS IDENTIFICATION

##### GHS Ratings:

Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: $\geq 1.5 < 2.3$
Respiratory sensitizer	1	Respiratory sensitizer
Carcinogen	2	Limited evidence of human or animal carcinogenicity

##### GHS Hazards

H316	Causes mild skin irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H351	Suspected of causing cancer

##### GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P281	Use personal protective equipment as required
P285	In case of inadequate ventilation wear respiratory protection
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P342+P311	Call a POISON CENTER or doctor/physician
P405	Store locked up
P501	Dispose of contents/container to ...

Signal Word: Danger



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
	Inert	50.00% - 60.00%
Water softened	7732-18-5	30.00% - 40.00%
TITANIUM DIOXIDE	13463-67-7	5.00% - 10.00%
2,2,4-TRIMETHYL 1,3- PENTENDIOL MONOISOBUTYRATE	25265-77-4	1.00% - 5.00%
2,2,4-TRIMETHYL 1,3-PENTENDIOL DIISPBURYRATE	6846-50-0	1.00% - 5.00%
SILICA AMORPHOUS	7631-86-9	1.00% - 5.00%
ALUMINUM HYDROXIDE	21645-51-2	1.00% - 5.00%

### 4. FIRST AID MEASURES

**INHALATION** - If product solids are inhaled either as dust or in the form of a spray mist, remove the person from exposure immediately. If breathing is difficult, irregular, or has stopped, start resuscitation; call a physician .

Administer oxygen if a qualified operator is available.

**EYE CONTACT** - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

**SKIN CONTACT** - In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water. Call a POISON CENTER or doctor/physican if you feel unwell.

**INGESTION** - If material is ingested, seek immediate medical attention. Rinse mouth thoroughly. Do not induce vomiting.

**Notes to Physician:** Symptoms may be delayed.

### 5. FIRE FIGHTING MEASURES

Flash Point: > 100 C (>212 F)

LEL:

UEL:

**Flammable Limits:**

**EXTINGUISHING MEDIA:** Use carbon dioxide (CO<sub>2</sub>), "alcohol" foam, dry chemical, or water spray/water fog extinguishing systems.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** The product vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback.

**HAZARDOUS COMBUSTION PRODUCTS:** See section 10 for a list of hazardous decomposition products for this mixture.

**FIRE FIGHTING:** If evacuation of personnel is necessary, evacuate to an upwind area . Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

**FIRE FIGHTING EQUIPMENT:** Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA).

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK PROCEDURES:** Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

**SMALL SPILLS:** Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

**LARGE SPILLS:** Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter, sewers, watercourses, or extensive land areas .

Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Label the waste container. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

## 7. HANDLING AND STORAGE

**HANDLING PRECAUTIONS:** Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).

**STORAGE:** Prevent from freezing. Do not store above 120 F (49 C).

Store only in original containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Inert	Not Established	Not Established	Not Established
Water softened 7732-18-5	No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	Not Established
TITANIUM DIOXIDE 13463-67-7	OSHA PEL TWA (Total Dust) 15 mg/m3 (50 mppcf*)	ACGIH TLV TWA (inhalable particles) 10 mg/m3	Not Established
2,2,4-TRIMETHYL 1,3-PENTENDIOL MONOISOBUTYRATE 25265-77-4	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	Not Established

2,2,4-TRIMETHYL 1,3-PENTENDIOL DIISPBURYRATE 6846-50-0	No component of this product presents at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	No component of this product presents at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	Not Established
SILICA AMORPHOUS 7631-86-9	Not Established	Not Established	Not Established
ALUMINUM HYDROXIDE 21645-51-2	Not Established	Not Established	Not Established

## 9. PHYSICAL AND CHEMICAL PROPERTIES

This mixture typically exhibits the following properties under normal circumstance:

<p><b>Explosive Limits:</b> Not Determined</p> <p><b>Decomposition temperature:</b> Not Determined</p> <p><b>Grams VOC less water:</b> 44.54</p> <p><b>Odor:</b> Slight Amine</p> <p><b>Odor threshold:</b> Not Determined</p> <p><b>pH:</b> 9.5 - 10.0</p> <p><b>Melting point:</b> Not Determined</p> <p><b>Solubility:</b> Not Determined</p> <p><b>Flash point:</b> &gt;212°F or &gt;100°C</p> <p><b>Flammability:</b> Not Applicable</p>	<p><b>Partition coefficient (n- Not Determined octanol/water):</b></p> <p><b>Viscosity:</b> 1100-1300 cPs</p> <p><b>Appearance:</b> Liquid</p> <p><b>Vapor Pressure:</b> N/A</p> <p><b>Vapor Density:</b> 2.0</p> <p><b>Specific Density:</b> 1.10</p> <p><b>Freezing point:</b> 0°C</p> <p><b>Boiling range:</b> 100°C</p> <p><b>Evaporation rate:</b> Not Determined</p>
---	--

## 10. STABILITY AND REACTIVITY

**Stability:**

STABLE

**Incompatibilities/Conditions to avoid:** Elevated temperatures. Contact with oxidizing agent/oxidizers.

**Hazardous Decomposition:** Can produce Carbon Monoxide and/or Carbon Dioxide.

Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Mixture Toxicity**

Inhalation Toxicity LC50: 131mg/L

**Component Toxicity**

25265-77-4	2,2,4-TRIMETHYL 1,3- PENTENDIOL MONOISOBUTYRATE Inhalation LC50: 4 mg/L (Rat)
6846-50-0	2,2,4-TRIMETHYL 1,3-PENTENDIOL DIISPBURYRATE Oral LD50: 2,000 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Guinea Pig) Inhalation LC50: 0 mg/L (Rat)
7631-86-9	SILICA AMORPHOUS

**Primary routes of entry:** Inhalation, Skin contact.

**Carcinogenicity:** The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
13463-67-7	TITANIUM DIOXIDE	5 to 10%	TITANIUM DIOXIDE:

**12. ECOLOGICAL INFORMATION**

**Component Ecotoxicity**

Water softened

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

TITANIUM DIOXIDE

Ecotoxicity:

Fish: LC 50 - other fish - > 1,000 mg/l - 96h

Invertebrates: EC 50 - Daphnia magna (water flea) - > 1,000 mg/l - 48h

Persistence and degradability:

Readily degradable in the environment.

Bioaccumulative potential: No additional information.

Mobility in soil: No additional information.

Other adverse effects: No additional information.

2,2,4-TRIMETHYL 1,3-PENTENDIOL MONOISOBUTYRATE

Toxicity

Acute Toxicity

Fish

Product: No data available.

Specified substance(s)

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate : 33 mg/l

LC-50 (Flathead Minnow, 96h)

Aquatic invertebrates

Product No data available.

Specified substance(s)

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate 147.8 mg/l

EC-50 (Water Flea, 48h):

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate

No data available

Aquatic invertebrates

Product No data available

Specified substance(s)

2,2,4-TRIMETHYL 1,3-  
PENTENDIOL DIISPBURYRATE

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate No data available

Mobility in soil: Log Koc - log koc: 1.5 - 2.8

Results of PBT and vPvB assessment: No data available.

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (persistent/bioaccumulative/toxic) criteria Not fulfilling PBT

Other adverse effects: No data available

Toxicity

Acute Toxicity

Fish

Product: NOEC: (Fish, 96h):>=6mg/l (limit of solubility in fresh water)

Aquatic Invertebrates

Product: NOEC: (daphnid, 48h):>=1.46 mg/l (limit of solubility in fresh water)

Chronic Toxicity

Fish

Product: No data available

Specified substance(s)

Aquatic invertebrates

Product: EC-50 (daphnid, 21 d):>1.3 mg/l (limit of solubility in fresh water)  
NOEC: (daphnid, 21 d): 0.7 mg/l

Toxicity to Aquatic Plants

Product: EC-50 (Alga, 72 h):> 7.49 mg/l (limit of solubility in fresh water)

Persistence and degradability

Biodegradation

Product: 70.73% (28 d, Ready Biodegradability: CO2 Evolution Test)  
Readily biodegradable, failing 10-d window

Biological Oxygen Demand:

Product: BOD-5 and BOD-20 were not determined because the aqueous solubility of the test article was below that which is required for these tests.

Chemical Oxygen Demand:

Product: No data available

BOD/COD ratio

Product: No data available

Specified substance(s)

Bioaccumulative potential

Product: Fish, Bioconcentration factor (BCF): 1.95 (Measured)  
Fish, Bioconcentration factor (BCF): 183 - 194 (Measured)

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Results of PBT and vPvB criteria assessment: Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria

Other adverse effects: No data available.

SILICA AMORPHOUS

Fish Toxicity LC0 (96h) (static) 10000 mg/l (zebra fish) (OECD 203)

Water Flea Toxicity EC50 (24H) 1000 mg/l (Daphnia magna) (OECD 202)

Algae Toxicity EC50 (72h) 10000 mg/l (Scenedesmus subspicatus) (OECD 201)

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

This material is classified for transport as follows:

Table with 4 columns: Agency (DOT), Proper Shipping Name (Water Based Paint), UN Number (Unregulated), Packing Group, Hazard Class (Non Hazardous)

15. REGULATORY INFORMATION

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

13463-67-7 TITANIUM DIOXIDE Carcinogen

R2K List

13463-67-7 TITANIUM DIOXIDE

16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

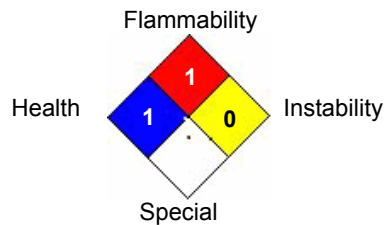
HMIS hazard rating table with categories: HEALTH (1), FLAMMABILITY (1), PHYSICAL HAZARD (0), PERSONAL PROTECTION (H)

HMIS & NFPA Hazard Rating

Legend

- \* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



The material contained in this Safety Data Sheet is based on information supplied to Bon Tool Co. by the raw material suppliers of the individual components of this product. Bon Tool Co. believes this information is truthful and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and health and safety of your employees and users of this material. As more information becomes available from our vendors additional revisions will be forthcoming.

Reviewer Revision

Date Prepared: 10/7/2015