SAFETY DATA SHEET

WATER BASED CONCRETE STAIN - RED CLAY

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Bonway Water Based Concrete Stain - Red Clay

Part #: #32-811; 32-861

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 insturctions).
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:

GHS Hazards

GHS Precautions

Signal Word:

There are no GHS ratings that apply to this product at this time.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
	Inert	40.00% - 50.00%
Water softened	7732-18-5	30.00% - 40.00%
TRANS RED IO	1309-37-1	10.00% - 20.00%
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%

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 (CO2), "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
TRANS RED IO 1309-37-1	Long-term exposure limit (8-hour TWA): OSHA 10 mg/m³ fume Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction	Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³ respirable fraction	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

9. PHYSICAL AND CHEMICAL PROPERTIES

This mixture typically exhibits the following properties under normal circumstance:

Explosive Limits: Not Determined

Partition coefficient (n-octanol/water): Not Determined	**Decomposition temperature:** Not Determined
Viscosity: 1100-1300 cPs	**Grams VOC less water:** 40.89
Appearance: Liquid	**Odor:** Slight Amine
Vapor Pressure: N/A	**Odor threshold:** Not Determined
Vapor Density: 2.0	**pH:** 9.5 - 10.0
Specific Density: 1.05	**Melting point:** Not Determined
Freezing point: 0°C	**Solubility:** Not Determined
Boiling range: 100°C	**Flash point:** >212°F or >100°C
Evaporation rate: Not Determined	**Flammability:** Not Applicable

10. STABILITY AND REACTIVITY

Stability:
STABLE

Incompatibilities/Condidtions 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. TOXILOGICAL INFORMATION

Mixture Toxicity
Inhalation Toxicity LC50: 107mg/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)

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).

CAS Number	Description	% Weight	Carcinogen Rating
None			No Data Available

12. ECOLOGICAL INFORMATION

Component Ecotoxicity

Water softened	Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.
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 LC-50 (Flathead Minnow, 96h)

: 33 mg/l

Aquatic invertebrates
Product No data available.

Specified substance(s)
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate EC-50 (Water Flea, 48h): 147.8 mg/l

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-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 Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria

Other adverse effects: No data available

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

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 enviromental compartments

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

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

This material is classified for transport as follows:

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	Water Based Paint	Unregulated		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:

1309-37-1 TRANS RED IO Mutagen

R2K List

1309-37-1 TRANS RED IO

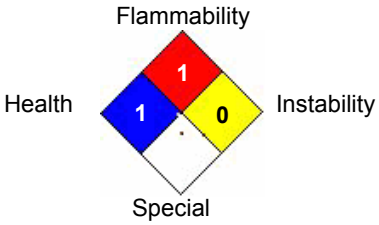
16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

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)



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Reviewer Revision

Date Prepared: 10/7/2015