

Revision Date: 04-Jun-2019 Revision Number: 5

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name TUFFCRETE WATERBORNE ACRYLIC CONCRETE STAIN TILE

**RED** 

Product Code CST-2505
Alternate Product Code XA1605

Product Class LATEX STAIN

ColorRedRecommended useSTAIN

**Restrictions on use**No information available

Manufacturer Emergency Telephone

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645

Phone: 1-866-708-9180

insl-x.com

CHEMTREC (US): 800-424-9300

CHEMTREC (outside US): (703)-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### Label elements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Appearance liquid Odor little or no odor

### Hazards not otherwise classified (HNOC)

Not applicable

# Other information

No information available

#### Other hazards

**CAUTION:** All floor coatings may become slippery when wet. Where non-skid characteristics are desired, use an appropriate anti-slip aggregate.

# 3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No.	Weight-%
2-Propanol-1-butoxy	5131-66-8	1 - 5
Iron oxide	1309-37-1	1 - 5
Kaolin	1332-58-7	1 - 5
Sodium C14-C16 olefin sulfonate	68439-57-6	0.1 - 0.5

## 4. FIRST AID MEASURES

**General Advice** No hazards which require special first aid measures.

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a

physician.

**Skin Contact** Wash off immediately with soap and plenty of water while removing all

contaminated clothes and shoes.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Ingestion** Clean mouth with water and afterwards drink plenty of water. Consult a physician

if necessary.

Most Important Symptoms/Effects None known.

Notes To Physician

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus

pressure-demand, MSHA/NIOSH (approved or equivalent)

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and full protective gear.

Specific Hazards Arising From The Chemical Closed containers may rupture if exposed to fire or

extreme heat.

Sensitivity to mechanical impact No

Sensitivity to static discharge No

Flash Point Data

Flash point (°F)Not applicableFlash Point (°C)Not applicableMethodNot applicable

Flammability Limits In Air

Lower flammability limit: Not applicable

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Upper flammability limit: Not applicable

NFPA Health: 1 Flammability: 0 Instability: 0 Special: Not Applicable

### **NFPA Legend**

0 - Not Hazardous

- 1 Slightly
- 2 Moderate
- 3 High
- 4 Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

# 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Other Information Prevent further leakage or spillage if safe to do so.

**Environmental precautions** See Section 12 for additional Ecological Information.

Methods for Cleaning Up Soak up with inert absorbent material. Sweep up and shovel into suitable

containers for disposal.

### 7. HANDLING AND STORAGE

**Handling** Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or

sanding dust. In case of insufficient ventilation, wear suitable respiratory

equipment.

**Storage** Keep container tightly closed. Keep out of the reach of children.

Incompatible Materials No information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Exposure Limits**

Chemical name	ACGIH TLV	OSHA PEL
Iron oxide	5 mg/m³ - TWA	10 mg/m³ - TWA
		15 mg/m³ - TWA Rouge
		5 mg/m <sup>3</sup> - TWA Rouge
Kaolin	2 mg/m³ - TWA	15 mg/m³ - TWA
	-	5 mg/m³ - TWA

Legend

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits

OSHA - Occupational Safety & Health Administration Exposure Limits

N/E - Not Established

Engineering Measures Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment** 

**Eye/Face Protection** Safety glasses with side-shields.

**Skin Protection** Protective gloves and impervious clothing.

**Respiratory Protection** In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene Measures Avoid contact with skin, eyes and clothing. Remove and wash contaminated

clothing before re-use. Wash thoroughly after handling.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** liquid

**Odor** little or no odor

Odor Threshold No information available

 Density (lbs/gal)
 8.95 - 9.05

 Specific Gravity
 1.07 - 1.09

pHNo information availableViscosity (cps)No information availableSolubility(ies)No information availableWater solubilityNo information availableEvaporation RateNo information availableVapor pressureNo information available

Vapor densityNo information availableWt. % Solids30 - 40Vol. % Solids20 - 30Wt. % Volatiles60 - 70Vol. % Volatiles70 - 80VOC Regulatory Limit (g/L)< 400</td>Politing Point (%E)313

Boiling Point (°F)

Boiling Point (°C)

Freezing point (°F)

Freezing Point (°C)

Flash point (°F)

Not applicable

Flash Point (°C)

Method

Flammability (solid, gas)

Upper flammability limit:

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

Autoignition Temperature (°F)No information availableAutoignition Temperature (°C)No information availableDecomposition Temperature (°C)No information availablePartition coefficientNo information available

## 10. STABILITY AND REACTIVITY

Reactivity Not Applicable

Chemical Stability Stable under normal conditions.

Conditions to avoid Prevent from freezing.

**Incompatible Materials**No materials to be especially mentioned.

Hazardous Decomposition Products

None under normal use.

Possibility of hazardous reactions

None under normal conditions of use.

## 11. TOXICOLOGICAL INFORMATION

#### **Product Information**

#### Information on likely routes of exposure

**Principal Routes of Exposure** Eye contact, skin contact and inhalation.

**Acute Toxicity** 

Product Information No information available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Eye contact** May cause slight irritation.

**Skin contact** Substance may cause slight skin irritation. Prolonged or repeated contact may dry

skin and cause irritation.

**Inhalation** May cause irritation of respiratory tract.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

No information available Sensitization **Neurological Effects** No information available. No information available. **Mutagenic Effects** No information available. **Reproductive Effects Developmental Effects** No information available. Target organ effects No information available. STOT - single exposure No information available. STOT - repeated exposure No information available. Other adverse effects No information available. **Aspiration Hazard** No information available

### Numerical measures of toxicity

# The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 34336 mg/kg ATEmix (dermal) 64837 mg/kg

### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-Propanol-1-butoxy	= 1900 mg/kg (Rat) = 5660 μL/kg	= 3100 mg/kg ( Rabbit )	-
5131-66-8	(Rat)		
Iron oxide	> 10000 mg/kg (Rat)	-	-
1309-37-1			
Sodium C14-C16 olefin sulfonate	= 2310 mg/kg (Rat)	= 6300 mg/kg ( Rabbit )	-
68439-57-6		- • , , ,	

### Carcinogenicity

There are no known carcinogenic chemicals in this product above reportable levels.

## 12. ECOLOGICAL INFORMATION

# **Ecotoxicity Effects**

The environmental impact of this product has not been fully investigated.

### **Product Information**

#### **Acute Toxicity to Fish**

No information available

### **Acute Toxicity to Aquatic Invertebrates**

No information available

#### **Acute Toxicity to Aquatic Plants**

No information available

# Persistence / Degradability

No information available.

#### Bioaccumulation

No information available.

### Mobility in Environmental Media

No information available.

#### **Ozone**

No information available

## **Component Information**

### **Acute Toxicity to Fish**

No information available

### **Acute Toxicity to Aquatic Invertebrates**

No information available

### **Acute Toxicity to Aquatic Plants**

No information available

## 13. DISPOSAL CONSIDERATIONS

#### **Waste Disposal Method**

Dispose of in accordance with federal, state, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

# 14. TRANSPORT INFORMATION

DOT Not regulated

ICAO / IATA Not regulated

IMDG / IMO Not regulated

### 15. REGULATORY INFORMATION

## **International Inventories**

**TSCA: United States** Yes - All components are listed or exempt. **DSL: Canada** Yes - All components are listed or exempt.

## **Federal Regulations**

# SARA 311/312 hazardous categorization

Acute health hazard No Chronic Health Hazard No Fire hazard Nο Sudden release of pressure hazard No Reactive Hazard No

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

None

### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

None

# **US State Regulations**

## **California Proposition 65**

WARNING: Cancer and Reproductive Harm— www.P65warnings.ca.gov

#### State Right-to-Know

Chemical name	Massachusetts	New Jersey	Pennsylvania
Iron oxide	X	X	X
Kaolin	X	X	X

### Legend

X - Listed

#### 16. OTHER INFORMATION

HMIS -PPE: -Health: 1 Flammability: 0 Reactivity: 0

### **HMIS Legend**

- 0 Minimal Hazard
- 1 Slight Hazard
- 2 Moderate Hazard
- 3 Serious Hazard
- 4 Severe Hazard
- Chronic Hazard
- X Consult your supervisor or S.O.P. for "Special" handling instructions.

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

**Prepared By Product Stewardship Department** 

> Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 800-225-5554

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#### Disclaimer

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**End of Safety Data Sheet**