

SAFETY DATA SHEET

Revision Date: 30-Jul-2018

Revision Number: 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Product Code Alternate Product Code Product Class Color Recommended use Restrictions on use

Manufacturer

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 Phone: 1-866-708-9180 www.benjaminmoore.com

ULTRA SPEC MASONRY ELASTOMERIC WATERPROOF COATING - FLAT BASE 2 3592X 3592X

3592X WATER THINNED PAINT All Paint No information available

Emergency Telephone

CHEMTREC (US): 800-424-9300 CHEMTREC (outside US): (703)-527-3887

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 2

Label elements

Danger

Hazard statements

May cause cancer

May cause damage to organs through prolonged or repeated exposure



Appearance liquid

Odor little or no odor

Precautionary Statements - Prevention

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other information

No information available

3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No.	Weight-%
Limestone	1317-65-3	20
Titanium dioxide	13463-67-7	10
Ethylene glycol	107-21-1	5
Zinc oxide	1314-13-2	5
Silica, mica	12001-26-2	5
Silica, crystalline	14808-60-7	0.5
Diphenyl ketone	119-61-9	0.5

4. FIRST AID MEASURES	
General Advice	For further assistance, contact your local Poison Control Center.
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. Call a POISON CENTER or doctor/physician if exposed or you feel unwell. If large quantities of this material are swallowed, call a physician immediately.

Most Important Symptoms/Effects	None known.		
Notes To Physician	Treat symptomatically	<i>/</i> .	
5. FIRE-FIGHTING MEASURES			
Suitable Extinguishing Media			asures that are appropriate to local e surrounding environment.
Protective Equipment And Pree Firefighters	cautions For		elf-contained breathing apparatus SHA/NIOSH (approved or equivalent) ar.
Specific Hazards Arising From The Chemical		Closed containers may rupture if exposed to fire or extreme heat.	
Sensitivity To Mechanical Impa	ict	No	
Sensitivity To Static Discharge		No	
Flash Point Data Flash Point (°F) Flash Point (°C) Method		Not applicable Not applicable Not applicable	
Flammability Limits In Air			
Lower flammability limit: Upper flammability limit:		Not applicable 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
Limestone	N/E	15 mg/m³ - TWA
		5 mg/m³ - TWA
Titanium dioxide	10 mg/m ³ - TWA	15 mg/m³ - TWA
Ethylene glycol	100 mg/m ³ - Ceiling	N/E
Zinc oxide	2 mg/m³ - TWA	5 mg/m³ - TWA
	10 mg/m ³ - STEL	15 mg/m ³ - TWA
Silica, mica	3 mg/m³ - TWA	20 mppcf - TWA
Silica, crystalline	0.025 mg/m ³ - 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 area

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 Odor Odor Threshold Density (lbs/gal) Specific Gravity pH Viscosity (cps) Solubility(ies) Water solubility Evaporation Rate Vapor pressure @20 °C (kPa) liquid little or no odor No information available 10.6 - 11.0 1.27 - 1.32 No information available No information available

No information available 50 - 60 35 - 45 40 - 50 55 - 65 < 100 212 100 32 0 Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable No information available No information available No information available No information available No 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	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation,
-	nausea, vomiting and diarrhea. May cause adverse kidney effects.
Sensitization	No information available
Neurological Effects	No information available.
Mutagenic Effects	No information available.
Reproductive Effects	No information available.
Developmental Effects	No information available.
Target organ effects	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure if inhaled.
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)

19511 mg/kg

Component Information

 $\label{eq:constraint} \begin{array}{l} \hline \underline{\text{Titanium dioxide}} \\ \hline \text{LD50 Oral: > 10000 mg/kg (Rat)} \\ \hline \underline{\text{Ethylene glycol}} \\ \hline \text{LD50 Oral: 4700 mg/kg (Rat)} \\ \hline \text{LD50 Dermal: 9530 } \mu g/L (Rabbit) \\ \hline \underline{\text{Zinc oxide}} \\ \hline \text{LD50 Oral: 5000 mg/kg (Rat)} \\ \hline \text{LC50 Inhalation (Dust): > 5700 mg/m^3 (Rat, 4 hr.)} \\ \hline \underline{\text{Silica, mica}} \\ \hline \text{LD50 Oral: > 16000 mg/kg (Rat)} \\ \hline \underline{\text{Silica, crystalline}} \\ \hline \text{LD50 Oral: 500 mg/kg (Rat)} \\ \hline \end{array}$

Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:.

Chemical name	IARC	NTP	OSHA	
	2B - Possible Human		Listed	
Titanium dioxide	Carcinogen			
	1 - Human Carcinogen	Known Human	Listed	
Silica, crystalline		Carcinogen		
	2B - Possible Human		Listed	
Diphenyl ketone	Carcinogen			

• Crystalline Silica has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried paint.

• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is

bound to other materials, such as paint."

Legend

IARC - International Agency for Research on Cancer NTP - National Toxicity Program OSHA - Occupational Safety & Health Administration

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

There is no data for this product.

Mobility in Environmental Media

No information available.

Ozone

No information available

Component Information

Acute Toxicity to Fish

<u>Titanium dioxide</u> LC50: > 1000 mg/L (Fathead Minnow - 96 hr.) <u>Ethylene glycol</u> LC50: 8050 mg/L (Fathead Minnow - 96 hr.)

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	Yes
Fire hazard	No
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:

Chemical name	CAS No.	Weight-%	CERCLA/SARA 313 (de minimis concentration)
Ethylene glycol	107-21-1	5	1.0
Zinc oxide	1314-13-2	5	1.0

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

This product contains the following HAPs:

Chemical name	CAS No.	Weight-%	Hazardous Air Pollutant
		_	<u>(HAP)</u>
Ethylene glycol	107-21-1	5	Listed

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
Limestone	Х	Х	Х
Titanium dioxide	Х	Х	Х
Ethylene glycol	Х	Х	Х
Zinc oxide	Х	Х	Х
Silica, mica	Х	Х	Х
Silica, crystalline	Х	Х	Х

Legend

X - Listed

16. OTHER INFORMATION

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

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