



## Material Safety Data Sheet

Revision Date: 07-Apr-2008

Revision Number: 1

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** BENJAMIN MOORE EXTERIOR STAIN BRIGHTENER & NEUTRALIZER  
**Product Code** K317  
**Product Class** SURFACE PREPARATION PRODUCT  
**Color** All

**Manufacturer** Benjamin Moore & Co.  
101 Paragon Drive  
Montvale, NJ 07645  
Phone: 201-573-9600  
www.benjaminmoore.com

**Emergency Telephone Number(s)**  
CANUTEC: 613-996-6666

### 2. COMPOSITION INFORMATION ON COMPONENTS

#### Hazardous Components

Chemical Name	CAS-No	Weight % (max)
Oxalic acid, dihydrate	6153-56-6	7 - 13%
Citric acid	77-92-9	1 - 5%

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

Corrosive. Causes severe eye and skin burns. Harmful if swallowed. May cause irritation of respiratory tract.

**Appearance** Colorless liquid

**Odor** odorless

#### Potential Health Effects

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

**Acute Effects**

**Eyes** Corrosive to the eyes and may cause severe damage including blindness. Causes burns.  
**Skin** Causes burns.  
**Inhalation** Irritating to respiratory system. Avoid breathing vapors or mists.  
**Ingestion** Can burn mouth, throat, and stomach.

**Chronic Effects** No information available.

See Section 11 for additional Toxicological information.

**Aggravated Medical Conditions** None known

**HMIS**            **Health: 3**            **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, Benjamin Moore & Co., 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.*

**4. FIRST AID MEASURES**

**General Advice** Take off contaminated clothing and shoes immediately. Immediate medical attention is not required. Show this safety data sheet to the doctor in attendance.

**Eye Contact** Rinse thoroughly with plenty of water, also under the eyelids. Immediate medical attention is not required.

**Skin Contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician.

**Inhalation** Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

**Ingestion** Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

**Notes To Physician** Treat symptomatically

**5. FIRE-FIGHTING MEASURES**

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Protective Equipment And Precautions For Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific Hazards Arising From The Chemical</b>	Closed containers may rupture if exposed to fire or extreme heat.
<b>Sensitivity To Mechanical Impact</b>	No
<b>Sensitivity To Static Discharge</b>	No
<b>Flash Point Data</b>	
Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Flash Point Method	Not applicable
<b>Flammability Limits In Air</b>	
Upper Explosion Limit	Not available
Lower Explosion Limit	Not available

**NFPA**      Health: 3      Flammability: 0      Instability: 0      Special: COR

### NFPA Legend

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

*The ratings assigned by Benjamin Moore & Co. 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](http://www.nfpa.org).*

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing. Use personal protective equipment.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. Should not be released into the environment.
<b>Methods For Clean-Up</b>	Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.
<b>Other Information</b>	None known

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin and eyes. Wear personal protective equipment.
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**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Limits**

**Hazardous Components**

<b>Chemical Name</b>	<b>ACGIH</b>	<b>Alberta</b>	<b>British Columbia</b>	<b>Ontario</b>	<b>Quebec</b>
Oxalic acid, dihydrate	N/E	N/E	N/E	N/E	N/E
Citric acid	N/E	N/E	N/E	N/E	N/E

**Legend**

ACGIH - American Conference of Governmental Industrial Hygienists  
 Alberta - Alberta Occupational Exposure Limits  
 British Columbia - British Columbia Occupational Exposure Limits  
 Ontario - Ontario Occupational Exposure Limits  
 Quebec - Quebec Occupational Exposure Limits  
 N/E - Not established

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Eye/Face Protection** Goggles. Face-shield.  
**Skin Protection** Impervious butyl rubber gloves. Impervious clothing.  
**Respiratory Protection** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**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**

<b>Appearance</b>	Colorless liquid
<b>Odor</b>	odorless
<b>Density (lbs/gal)</b>	Not available
<b>Specific Gravity</b>	Not available
<b>pH</b>	2
<b>Viscosity (centistokes)</b>	Not available
<b>Solubility</b>	Soluble
<b>Evaporation Rate</b>	Not available
<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available
<b>Wt. % Solids</b>	Not available
<b>Vol. % Solids</b>	Not available
<b>Wt. % Volatiles</b>	Not available
<b>Vol. % Volatiles</b>	Not available
<b>VOC (g/L)</b>	Not available
<b>Boiling Point (°F)</b>	212
<b>Boiling Point (°C)</b>	100
<b>Freezing Point (°F)</b>	Not available
<b>Freezing Point (°C)</b>	Not available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Flash Point Method	Not applicable
Upper Explosion Limit	Not available
Lower Explosion Limit	Not available

## 10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions To Avoid	Prevent from freezing
Incompatible Materials	Incompatible with strong acids and bases and strong oxidizing agents.
Hazardous Decomposition Products	None under normal use.
Possibility Of Hazardous Reactions	Hazardous polymerisation will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product

No information available

#### Component

##### Citric acid

LD50 Oral: 3000 mg/kg (Rat)

### Chronic Toxicity

#### Carcinogenicity

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

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity Effects

#### Product

##### Acute Toxicity to Fish

No information available

##### Acute Toxicity to Aquatic Invertebrates

No information available

## 12. ECOLOGICAL INFORMATION

Acute Toxicity to Aquatic Plants  
No information available

**Component**  
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, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options..

## 14. TRANSPORT INFORMATION

**TDG**

<b>Proper Shipping Name</b>	Corrosive liquid, acidic, organic, n.o.s
<b>Hazard Class</b>	8
<b>UN-No</b>	UN3265
<b>Packing Group</b>	III
<b>Description</b>	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.(Oxalic acid),8,UN3265,PG III

**ICAO / IATA** Contact Benjamin Moore & Co. for further information.

**IMDG / IMO** Contact Benjamin Moore & Co. for further information.

## 15. REGULATORY INFORMATION

### International Inventories

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

### National Pollutant Release Inventory (NPRI)

#### NPRI Parts 1- 4

This product contains the following Parts 1-4 NPRI chemicals:

## 15. REGULATORY INFORMATION

*This product may contain trace amounts of (other) NPRI Parts I-4 reportable chemicals. Contact Benjamin Moore & Co. for further information.*

### **NPRI Part 5**

This product contains the following NPRI Part 5 Chemicals:

*This product may contain trace amounts of (other) NPRI Part 5 reportable chemicals. Contact Benjamin Moore & Co. for further information.*

### **WHMIS Regulatory Status**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### **WHMIS Hazard Class**

E Corrosive material



## 16. OTHER INFORMATION

**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 logging onto Health Canada @ [http://www.hc-sc.gc.ca/iyh-vsv/prod/paint-peinture\\_e.html](http://www.hc-sc.gc.ca/iyh-vsv/prod/paint-peinture_e.html).

**Prepared By**

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**Revision Summary**

No information available

Disclaimer

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K317  
**End of MSDS**