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

2. COMPOSITION INFORMATION ON COMPONENTS

Hazardous Components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight % (max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxalic acid, dihydrate</td>
<td>6153-56-6</td>
<td>7 - 13%</td>
</tr>
<tr>
<td>Citric acid</td>
<td>77-92-9</td>
<td>1 - 5%</td>
</tr>
</tbody>
</table>

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

**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) 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 applicable
- **Flash Point (°C)**: Not applicable
- **Flash Point Method**: Not applicable

**Flammability Limits In Air**
- **Upper Explosion Limit**: Not available
- **Lower Explosion Limit**: Not available

**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.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**
Avoid contact with skin, eyes and clothing. Use personal protective equipment.

**Environmental Precautions**
Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. Should not be released into the environment.

**Methods For Clean-Up**
Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

**Other Information**
None known

### 7. HANDLING AND STORAGE

**Handling**
Avoid contact with skin and eyes. Wear personal protective equipment.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Hazardous Components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>Alberta</th>
<th>British Columbia</th>
<th>Ontario</th>
<th>Quebec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxalic acid, dihydrate</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Citric acid</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
</tr>
</tbody>
</table>

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

- **Appearance**: Colorless liquid
- **Odor**: Odorless
- **Density (lbs/gal)**: Not available
- **Specific Gravity**: Not available
- **pH**: 2
- **Viscosity (centistokes)**: Not available
- **Solubility**: Soluble
- **Evaporation Rate**: Not available
- **Vapor Pressure**: Not available
- **Vapor Density**: Not available
- **Wt. % Solids**: Not available
- **Vol. % Solids**: Not available
- **Wt. % Volatiles**: Not available
- **Vol. % Volatiles**: Not available
- **VOC (g/L)**: Not available
- **Boiling Point (°F)**: 212
- **Boiling Point (°C)**: 100
- **Freezing Point (°F)**: Not available
- **Freezing Point (°C)**: Not available
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (°F)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point Method</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper Explosion Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Explosion Limit</td>
<td>Not available</td>
</tr>
</tbody>
</table>

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**: No information available
    - **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  
Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s  
Hazard Class: 8  
UN-No: UN3265  
Packing Group: III  
Description: 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.

Prepared By
Product Stewardship Department
Benjamin Moore & Co.
360 Route 206 - P.O. Box 4000
Flanders, NJ 07836
973-252-2593

Revision Date: 07-Apr-2008
Revision Summary No information available
Disclaimer

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End of MSDS