1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: BENJAMIN MOORE BRIGHTEN
Product Code: K31700
Product Class: SURFACE PREPARATION PRODUCT
Color: Light yellow

Manufacturer:
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 855-724-6802
www.benjaminmoore.com

2. COMPOSITION INFORMATION ON 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

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

Appearance: colorless to light yellow liquid
Odor: mild

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**
Avoid repeated exposure.

See Section 11 for additional Toxicological information.

**Aggravated Medical Conditions**
None known

**HMIS**

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>PPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0</td>
<td>0</td>
<td>-</td>
</tr>
</tbody>
</table>

**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.

### 4. FIRST AID MEASURES

**General Advice**
Take off contaminated clothing and shoes immediately. Immediate medical attention is 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 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. Call a physician or Poison Control Center immediately.

**Notes To Physician**
Treat symptomatically

**Protection Of First-Aiders**
Use personal protective equipment.

### 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
<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>
</tbody>
</table>

Flammability Limits In Air
<table>
<thead>
<tr>
<th>Limit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper Explosion Limit</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Lower Explosion Limit</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

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. 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, eyes and clothing. Do not breathe vapors or spray mist. Wear personal protective equipment.

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

<table>
<thead>
<tr>
<th>Eye/Face Protection</th>
<th>Goggles. Face-shield.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Protection</td>
<td>Protective gloves and impervious clothing</td>
</tr>
<tr>
<td>Respiratory Protection</td>
<td>In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.</td>
</tr>
</tbody>
</table>

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 to light yellow liquid
Odor  mild
Density (lbs/gal)  9.0 - 9.4
Specific Gravity  1.07 - 1.13
pH  2
Viscosity (centistokes)  Not available
Evaporation Rate  Not available
Vapor Pressure  Not available
Vapor Density  Not available
Wt. % Solids  5 - 20
Vol. % Solids  0 - 15
Wt. % Volatiles  80 - 95
Vol. % Volatiles  85 - 100
VOC Regulatory Limit (g/L)  Not applicable
Boiling Point (°F)  212
Boiling Point (°C)  100
Freezing Point (°F)  32
Freezing Point (°C)  0
Flash Point (°F)  Not applicable
Flash Point (°C)  Not applicable
9. PHYSICAL AND CHEMICAL PROPERTIES

- **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**: None under normal conditions of use.

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
  - **Acute Toxicity to Aquatic Plants**: No information available
12. ECOLOGICAL INFORMATION

Component
Acute Toxicity to Fish

Citric acid
LC50: 1516 mg/L (Bluegill - 96 hr.)

Acute Toxicity to Aquatic Invertebrates

Citric acid
EC50: 120 mg/L (Daphnia magna - 72 hr.)

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

ICAO / IATA
Not regulated

IMDG / IMO
Not regulated

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 the preparer 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 the preparer 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/hl-vs/iyh-vsv/prod/paint-peinture-eng.php.

Prepared By
Product Stewardship Department
Benjamin Moore & Co.
101 Paragon Drive
Monvale, NJ 07645
855-724-6802

Revision Date: 06-Jan-2014
Revision Summary No information available

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End of MSDS