



# Material Safety Data Sheet

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## 1. COMPANY AND PRODUCT IDENTIFICATION

**Product code:** K46C-1  
**Product name:** STONE TONE SEALER II

**Supplier:**  
Epmar Corporation  
13210 E. Barton Circle  
Santa Fe Springs, CA 90605-3254  
Phone: 562-946-8781  
FAX: 562-944-9958  
E-MAIL: info@epmarcorp.com  
E-MAIL: she@quakerchem.com  
(For Health and Safety Questions)

**Emergency telephone number:**  
\* 24 HOUR TRANSPORTATION:  
\*\*CHEMTREC: 1-800-424-9300  
703-527-3887 (Call collect outside of US)  
\* 24 HOUR EMERGENCY HEALTH & SAFETY:  
\*\*QUAKER CHEMICAL CORPORATION: (800) 523-7010(  
Within US only)  
Outside of US call (703) 527-3887

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### HAZARDOUS COMPONENTS

Components	CAS No.	Weight %	OSHA Ceiling Limits	OSHA TWA (final):	ACGIH Ceiling Limits	ACGIH Exposure Limits:	Vendor Exposure Limits:
Ethylene glycol monobutyl ether	111-76-2	1 - 5%		240mg/m <sup>3</sup> 50ppm		20 ppm	

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

This product may cause irritation of the eyes, skin, mucous membranes and respiratory tract.  
May be harmful if swallowed.

**Signal word:** WARNING

**Principle routes of exposure:** Eyes, skin and inhalation.

**Eye contact:** Contact with eyes may cause irritation.

**Skin contact:** Prolonged and/or repeated contact may cause irritation and redness. Components of the product may be absorbed into the body through the skin.

**Inhalation:** Avoid breathing vapors or mists. May cause irritation of the mucous membranes.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

**Physico-chemical properties:** No hazards resulting from material as supplied.

## 4. FIRST AID MEASURES

<b>General advice:</b>	Take off all contaminated clothing immediately. Wash off with soap and water. If symptoms persist, call a physician.
<b>Eye contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin contact:</b>	Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call a physician.
<b>Ingestion:</b>	Call a physician immediately. If swallowed, give 2 glasses of water to drink. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
<b>Notes to physician:</b>	Treat symptomatically.
<b>Medical condition aggravated by exposure:</b>	Dermatitis.

## 5. FIRE-FIGHTING MEASURES

<b>Flash Point (°C):</b> NA	<b>Flash point (°F):</b> NA	<b>Flash Point Method:</b> None to boiling.
<b>Flammable limits in air - upper (%):</b> Not determined	<b>Flammable limits in air - lower (%):</b> Not determined	
<b>Suitable extinguishing media:</b>	Use dry chemical, CO <sub>2</sub> , water spray or `alcohol` foam.	
<b>Unusual hazards:</b>	None known	
<b>Special protective equipment for fire-fighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.	
<b>Specific methods:</b>	Water mist may be used to cool closed containers.	

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Ensure adequate ventilation. Use personal protective equipment.
<b>Environmental precautions:</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up:</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

### Handling

<b>Technical measures/precautions:</b>	Provide sufficient air exchange and/or exhaust in work rooms.
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**Safe handling advice:** Do not breathe vapors or spray mist. In case of insufficient ventilation, wear suitable respiratory equipment. Keep container tightly closed. Avoid contact with skin and eyes. Wear personal protective equipment. Wash thoroughly after handling.

**Storage**

**Technical measures/storage conditions:** DO NOT FREEZE. Store at room temperature in the original container

**Incompatible products:** strong oxidizing agents

**Safe storage temperature:** 60 - 80 °F

**Shelf life:** 6 months

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Components	ACGIH Ceiling Limits	ACGIH Exposure Limits:	OSHA Ceiling Limits	OSHA TWA (final):	NIOSH - Pocket Guide - TWAs:	Vendor Exposure Limits:
Ethylene glycol monobutyl ether		20 ppm		240mg/m <sup>3</sup> 50ppm	24mg/m <sup>3</sup> TWA 5ppmTWA	None

**Engineering measures:** Ensure adequate ventilation.

**Personal Protective Equipment**

**General:** Eye Wash and Safety Shower

**Respiratory protection:** If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH/MSHA certified respirator with organic vapor/P100 filter should be worn.

**Hand protection:** Neoprene gloves

**Skin and body protection:** Long sleeved clothing

**Eye protection:** Safety glasses with side-shields.

**Hygiene measures:** Avoid contact with skin, eyes and clothing.



**9. PHYSICAL AND CHEMICAL PROPERTIES:**

**Physical state:** Liquid  
**Color:** White opaque  
**Odour:** Characteristic  
**Vapour pressure:** Not determined  
**Vapour density:** Not determined  
**Viscosity:** 10 - 20 cps  
**VOC Content Product (g/L):** 21.8 g/L  
**VOC Content Coating (g/L):** 91.67  
**Solubility:** Emulsifiable  
**Evaporation rate:** Not determined  
**pH:** >8  
**Flash Point (°C):** NA

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Flash point (°F):	NA
Decomposition temperature:	Not determined
Auto-ignition temperature:	Not determined
Density @ 15.5 ° C (g/cc) :	1.02
Bulk density @ 60 ° F (lb/gal):	8.5
Solids (% by weight):	22.14
Solids (% by volume)	21.06
Partition coefficient (n-octanol/water, log Pow):	Not determined
<b>Explosive properties:</b>	
- upper limit:	No data available
- lower limit:	No data available

## 10. STABILITY AND REACTIVITY

### Stability:

Stable under recommended storage conditions.

### Conditions to avoid:

None known

### Materials to avoid:

Strong acids and oxidising agents

### Hazardous decomposition products:

Carbon oxides, Nitrogen oxides (nox)

### Polymerization:

Stable at normal conditions

## 11. TOXICOLOGICAL INFORMATION

This product contains ethylene glycol monobutyl ether which has been shown to cause red blood cell hemolysis with secondary injury to the kidney and liver in laboratory animals. However humans appear to be resistant to this effect.

No toxicological information is available on the product. Data obtained on components are summarized below.

Components	NTP:	IARC:	OSHA - Select Carcinogens	NIOSH - Selected LD50s and LC50s
Ethylene glycol monobutyl ether	This product does not contain any material shown to be a carcinogen by the National Toxicology Program (NTP).	This product does not contain any material shown to be a carcinogen by the International Agency for Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA.	2.21mg/LInhalation LC50Rat 220mg/kgDermal LD50Rabbit 2270mg/kgDermal LD50Rat 450ppmInhalation LC50Rat 470mg/kgOral LD50Rat

## 12. ECOLOGICAL INFORMATION

<b>Persistence and degradability:</b>	No information available
<b>Mobility:</b>	No data available
<b>Bioaccumulation:</b>	No data available
<b>Ecotoxicity effects:</b>	No data available
<b>Aquatic toxicity:</b>	Not Determined

### *Ethylene glycol monobutyl ether*

**Ecotoxicity - Fish Species Data** LC50 (Lepomis macrochirus - 96h) = 1490 mg/L

## 13. DISPOSAL CONSIDERATIONS

<b>Waste from residues/unused products:</b>	Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.
<b>Contaminated packaging:</b>	Do not re-use empty containers
<b>Methods for cleaning up:</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

## 14. TRANSPORT INFORMATION

### U. S. DEPARTMENT OF TRANSPORTATION:

Proper shipping name: Not Regulated

### TDG (CANADA):

Proper shipping name: Not Regulated

### IMDG/IMO:

Proper shipping name: Not Regulated

### IATA/ICAO:

Proper shipping name: Not Regulated

## 15. REGULATORY INFORMATION

### CLASSIFICATION AND LABELING

<b>OSHA Hazard Communication Standard:</b>	This product is considered to be hazardous under the OSHA Hazard Communication Standard.
<b>Canada - WHMIS Classification Information:</b>	This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.
<b>Product Classification:</b>	Class D2B - Poisonous and Infectious Material: Other toxic effects - includes irritants, skin sensitizers and/ or chronic health effects
<b>Product Classification Graphic(s):</b>	



**Component Classification  
Data:**

***Ethylene glycol monobutyl ether - 111-76-2***

**WHMIS hazard class:** Listed  
B3, D1A, D2B

**Canadian National Pollution  
Inventory Data:**

***Ethylene glycol monobutyl ether - 111-76-2***

**Canada - National Pollution  
Release Inventory** Listed

**U.S. REGULATIONS:**

**SARA (311, 312) hazard class:** This product possesses the following SARA Hazard Categories:

**Immediate Health (Acute):** Yes  
**Delayed Health (Chronic):** Yes  
**Flammability:** No  
**Pressure:** No  
**Reactivity:** No

***Ethylene glycol monobutyl ether - 111-76-2***

**CERCLA/SARA 313 Emission reporting** Listed

**RCRA Status** Not Regulated

**STATE REGULATIONS (RTK):**

**California Proposition 65 Status:** No components are listed

***Ethylene glycol monobutyl ether - 111-76-2***

**MARTK:** Listed  
**NJRTK:** Listed  
**PARTK:** Listed

**INVENTORY STATUS:**

**United States TSCA - Sect. 8(b) Inventory:** This product complies with TSCA

**Canada DSL Inventory List -** DSL Compliance has not been determined

EC EINECS/ELINCS/NLP list:

Compliance has not been determined

## 16. OTHER INFORMATION

**Sources of key data used to compile the data sheet:** Material safety data sheets of the ingredients.

**Prepared by:** Quaker Chemical Corporation -Safety, Health and Environmental Affairs Group - US

**Reason for revision:** New formulation

**HMS classification:**

**NFPA rating:**

**Health:**

1\*

**Health:**

1

**Flammability:**

0

**Flammability:**

0

**Reactivity:**

0

**Reactivity:**

0

**Personal Protection:**

B

**Special:**

NA

\* Indicates possible chronic health effect

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

### Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. EPMAR Corporation ("EPMAR") assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of EPMAR.

**End of Safety Data Sheet**