

# SAFETY DATA SHEET

Issue Date 01-Mar-2015

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Version 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** MICROBOND

**Other means of identification**

**Product Code** XBM50

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Only for use with the SEMCO X-Bond Liquid.

**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

SEMCO Modern Seamless Surface  
3620 West Reno Ave  
Las Vegas, NV 89118

**Emergency telephone number**

**Company Phone Number** 702-222-9495

**Emergency Telephone** 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

Not Regulated

Skin sensitization	Category 1B
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**Label elements**

**Emergency Overview**



**DANGER**

Causes severe skin burns and eye damage (Category 1B)  
May cause allergy or asthma symptoms or breathing difficulties if inhaled (Category 1)  
May cause cancer (inhalation) (Category 1A)

Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (inhalation). (Category 1)  
Chronic unprotected exposure may lead to silicosis.

**Appearance** Gray, White or Tan Sandy Powder

**Physical state** Powder

**Odor** None

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves

**Precautionary Statements - Response**

Get medical advice/attention if you feel unwell  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant. Keep out of drains, sewers, ditches and waterways. Minimize use of water to prevent environmental contamination.

**2.2 Potential Health Effects**

**Relevant routes of exposure:** Eye contact, skin contact, inhalation

**Potential Acute Health Effects:**

**Eye:** Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.

**Skin:** May cause irritation on prolonged or repeated contact.

**Inhalation:** Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat of the nose, throat and lungs. Chronic unprotected exposure may lead to silicosis.

**Ingestion:** Ingest of material may cause vomiting and/or stomach pains.

**Carcinogenicity:** IARC: SiO<sub>2</sub>      NTP: Not Regulated      OSHA: Not Regulated

**Potential Chronic Health Effects**

**Chronic effects:** Contains Material that can cause target organ damage (lungs / respiratory system).

**Target Organs:** Contains material which causes damage to the following organs: lungs. Review Section 2 and 11 for any additional assessments.

**Over-Exposure Signs/Symptoms**

**Inhalation:** Adverse symptoms may include the following: respiratory tract irritation and coughing

**2.3 Potential Environmental Effects**

- Not considered to be harmful to aquatic and terrestrial life.

**Hazards not otherwise classified (HNOC)****Other Information**

Unknown Acute Toxicity 52.60961% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Lower Weight-%	Upper Weight-%
Silica, Crystalline Quartz	14808-60-7	5.0	30.0
Portland Cement	65997-15-1	7.0	20.0
Calcium Carbonate	1317-65-3	10.0	28.0
Calcium Hydroxide	1305-62-0	1.0	4.0

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****First aid measures**

<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Check for and remove any contact lenses. Get medical attention if irritation occurs.
<b>Skin Contact</b>	Wash skin with soap and water. Wash contaminated clothing before reuse. Consult a physician or other qualified medical personnel if the condition persists.
<b>Inhalation</b>	Remove to fresh air. Check for clear airway, breathing and presence of pulse. Provide Cardiopulmonary resuscitation for persons without pulse or respirations. Consult a physician or other medical personnel.
<b>Ingestion</b>	If swallowed, dilute by drinking large amounts of water, give at least 2 glasses of water to drink. Consult a physician or other qualified medical personnel. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed****Symptoms****Inhalation** Adverse symptoms may include the following: respiratory tract irritation and coughing**Indication of any immediate medical attention and special treatment needed****Note to physicians** Treat symptomatically.**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.**Unsuitable extinguishing media:** None**Products of Combustions:** None**Unusual Hazards:** None**Specific hazards arising from the chemical**

No information available

**Explosion Data****Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** None.**Protective equipment and precautions for firefighters**

Firefighters should wear self-containing breathing apparatus (pressure demand MSHA/NIOSH approved or equivalent) and full fire-fighting turnout gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protection recommended in section 8.

### Environmental precautions

**Environmental precautions** Keep out of drains, sewers, ditches and waterways. Minimize use of water to prevent environmental contamination.

### Methods and material for containment and cleaning up

**Methods for containment** Handle as a nuisance dust. Use respiratory protection if dust becomes airborne.

**Methods for cleaning up** Dispose of in accordance with applicable Federal, State, and Local regulations. Keep spills and runoff out of municipal sewers and open bodies of water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Do not get in eyes. Avoid contact with skin. Use in well ventilated areas. Wash thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store in a cool, dry location and out of direct sunlight. Protect sacks from weather and other damage.

**Incompatible materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

CHEMICAL NAME	OSHA PEL	ACGIH TLV	NIOSH REL
Silica, Crystalline Quartz	30 mg/m <sup>3</sup> %SiO <sup>+2</sup>	Not Established	0.05 mg/m <sup>3</sup> TWA
Portland Cement	15 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA
Calcium Carbonate	15 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA
Calcium Hydroxide	15 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA

### Appropriate engineering controls

#### Engineering Controls

Use local ventilation, if needed.

### Individual protection measures, such as personal protective equipment

**Eye/face protection:** Use chemical splash goggles (ANSI 287.1 or approved equivalent)

**Skin Protection:** Use rubber or neoprene gloves to provide protection against wet material.

**Respiratory Protection:** None required for normal use of this product. If material is sanded or ground when dry, NIOSH/MSHA approved respirators for dust should be provided and used. As with any safety product, workers using

respirators should be trained in the proper selection, use and care of such equipment.

**General Hygiene Considerations:** Wash thoroughly after handling. Have eye-wash facilities immediately available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	Solid	Odor	None
Appearance	Powder		
Odor threshold	Not available		

<u>Property</u>	<u>Values</u>	<u>Remarks •</u> <u>Method</u>
pH	Not available	
Melting point/freezing point	Not available	
Boiling point / boiling range	Not applicable	
Flash point	Noncombustible	
Evaporation rate	Not applicable	
Flammability (solid, gas)	Not available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Water solubility	Slightly	
Solubility in other solvents	No information available	
Partition Coefficient	No information available	
Auto ignition temperature	No information available	
Decomposition Temperature	No information available	

## 10. STABILITY AND REACTIVITY

**Reactivity**  
No data available

**Chemical stability**  
Stable under normal conditions of storage and use, hazardous polymerization will not occur.

**Possibility of Hazardous Reactions**  
None under normal processing.

**Conditions to avoid**  
None

**Incompatible materials**  
None

**Hazardous Decomposition Products**  
None under normal conditions of storage and use.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	No data available
<b>Inhalation</b>	No specific hazard known. May cause transient irritation, headache, nausea, and /or inflammation of the nose, throat or lungs.

**Eye contact** No specific hazard known. May cause transient irritation or alkali burns.

**Skin Contact** No specific hazard known. May cause transient irritation or alkali burns.

**Ingestion** No specific hazard known.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
-	-	-	-

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** No information available.  
**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity**

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Not harmful to aquatic life  
 Aquatic Toxicity: No data available.

Terrestrial Toxicity: No data available.  
 Mobility: No data available.

Chemical Name	Algae/aquatic plants	Fish	Crustacean
-	-	-	-

**Persistence and degradability**  
 No information available.

**Bioaccumulation**  
 No information available.

**Other adverse effects** No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements. The information presented below only applies to the material as supplied. The identification

based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated.

**Contaminated packaging** It is the responsibility of the waste generator to determine toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

Land transport USDOT Not classified as a dangerous good under transport regulations Sea transport IMDG  
Not classified as a dangerous good under transport regulations Air transport IATA/ICAO  
Not classified as a dangerous good under transport regulations

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

HCS Classification: Target organ

effects US Federal Regulations

**SARA 311/312 Classification** Immediate (acute) health hazard, Delayed (chronic) health hazard

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372. None required.

**SARA 302 Extremely Hazardous Substances** None required.

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
-	-	-	-	-

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances	CERCLA/SARA RQ	Reportable Quantity (RQ)
-	-	-	-

**US State Regulations**

**California Proposition 65**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
-	-	-	-

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

**16. OTHER INFORMATION**

NFPA	Health Hazards 1	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health Hazards 1	Flammability 0	Physical hazards 0	Personal Protection -

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**Revision Note**

No information available

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

\*See Section 2 Hazards Identification

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 SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material. Legend

ACGIH	American Conference of Government Industrial Hygienists
HMIS	Hazardous Material Identification System
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
NIOSH	National Institute for Occupational Safety and Health
PEL	Permissible Exposure Limit

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**End of Safety Data Sheet**