



# Material Safety Data Sheet

## BIOGUARD® OFF THE WALL®

Version: 1.2

Revision Date: 01/15/2014

Print Date: 04/28/2014

### Potential Health Effects

- Primary Routes of Entry : Inhalation  
Eye contact  
Skin contact  
Ingestion
- Inhalation : May cause respiratory tract irritation.
- Skin : Causes skin burns.
- Eyes : Causes eye burns.
- Ingestion : Harmful if swallowed.
- Chronic Exposure : None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Component / CAS-No.	Weight percent
2-butoxyethanol (Vapour and gas) 111-76-2	5 - 10 %
potassium hydroxide (Solution) 1310-58-3	0 - 1 %
Amides, coco, N,N-bis(hydroxyethyl) 68603-42-9	0 - 1.2 %
disodium metasilicate 6834-92-0	1 - 5 %

### SECTION 4. FIRST AID MEASURES

#### First aid procedures

- Inhalation : Remove to fresh air.  
Obtain medical attention for any breathing difficulties.
- Skin contact : Wash skin thoroughly with soap and water for at least 15 minutes.  
Get medical attention if irritation develops and persists.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.  
Call a POISON CENTER or doctor/ physician.
- Ingestion : Immediately call a POISON CENTER or doctor/ physician.  
Have person sip a glass of water if able to swallow.  
Do not induce vomiting unless told to do so by the poison control center or doctor.  
Never give anything by mouth to an unconscious person.

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### Notes to physician

Treatment : Probable mucosal damage may contraindicate the use of gastric lavage.

## SECTION 5. FIREFIGHTING MEASURES

### Flammable properties

Flash point : > 199.9 °F (> 93.3 °C)  
Method: ASTM D 93

### Fire fighting

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : There are no unusual fire and explosion hazards known.

### Protective equipment and precautions for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Methods for containment / Methods for cleaning up : Using appropriate protective clothing and safety equipment, contain spilled material.  
Soak up with inert absorbent material.  
Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal.

Additional advice : Treat recovered material as described in the section "Disposal considerations".

## SECTION 7. HANDLING AND STORAGE

### Handling

Handling procedures : Avoid contact with skin, eyes and clothing.  
Avoid breathing vapors.  
Mix only with water.  
Do not mix with other chemicals.  
Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco.  
Do not handle until all safety precautions have been read and understood.

### Storage

Requirements for storage areas and containers : Store in original container.  
Keep tightly closed.  
Store in a cool, dry, well ventilated area away from heat or open flame.  
Keep out of reach of children.

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Other data : Stable under normal conditions.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Guidelines

#### Components with workplace control parameters

Components / CAS-No.	Value / Basis / Update	Control parameters	Further information
2-butoxyethanol (Vapour and gas) 111-76-2	TWA	20 ppm 97 mg/m3	
	CA AB OEL		
	2009-04-30		
	TWA	20 ppm	
	CA BC OEL		
	2006-11-29		
	TWAEV	20 ppm	
	CA ON OEL		
	2005-12-17		
	TWAEV	20 ppm 97 mg/m3	
	CA QC OEL		
	2006-12-29		
potassium hydroxide (Solution) 1310-58-3	(c)	2 mg/m3	
	CA AB OEL		
	2009-04-30		
	C	2 mg/m3	
	CA BC OEL		
	2006-11-29		
	CEV	2 mg/m3	
	CA ON OEL		
	2005-12-17		
	C	2 mg/m3	
	CA QC OEL		
	2006-12-29		

#### Engineering measures

Engineering measures : Use with adequate ventilation.  
Ensure that eyewash stations and safety showers are close to the workstation location.

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#### Personal protective equipment

- Eye protection : Safety glasses with side-shields
- Hand protection : Wear rubber gloves.
- Respiratory protection : No personal respiratory protective equipment normally required.  
If product is used in an area with poor ventilation and mist or vapor is expected, a respirator that meets OSHA/ANSI standards may be required.
- Hygiene measures : Remove and wash contaminated clothing before re-use.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

##### Appearance

- Form : liquid
- Colour : dark blue

##### Safety data

- Flash point : > 199.9 °F (> 93.3 °C)  
Method: ASTM D 93
- pH : > 12.7 - 13.3  
Note: (undiluted)
- Freezing point : Note: no data available
- Boiling point/boiling range : Note: no data available
- Vapour pressure : no data available
- Density : 1.028 g/cm<sup>3</sup>
- Water solubility : Note: completely miscible
- Relative vapour density : Note: no data available
- Evaporation rate : Note: no data available

#### SECTION 10. STABILITY AND REACTIVITY

- Conditions to avoid : Remarks: Poor ventilation.  
High temperatures.  
Contamination
- Materials to avoid : Remarks: Strong acids  
Strong oxidizing agents
- Hazardous decomposition products : Note: Carbon oxides
- Hazardous reactions : Hazardous polymerisation does not occur.

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### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity potassium hydroxide (Solution)	: LD50 Oral: 273 mg/kg Species: rat
Amides, coco, N,N- bis(hydroxyethyl)	: LD50: > 5,000 mg/kg Species: rat
Acute dermal toxicity Amides, coco, N,N- bis(hydroxyethyl)	: LD50: > 2,000 mg/kg Species: rabbit
Skin irritation	: Classification: Corrosive Remarks: Causes skin burns.
Eye irritation	: Classification: Corrosive Remarks: Causes eye burns.
Sensitisation Amides, coco, N,N- bis(hydroxyethyl)	: Buehler Test Species: guinea pig Classification: Did not cause sensitization on laboratory animals.
CMR effects Amides, coco, N,N- bis(hydroxyethyl)	: Mutagenicity: Animal testing did not show any mutagenic effects. Teratogenicity: No effects on or via lactation

### 12. ECOLOGICAL INFORMATION

Biodegradability Amides, coco, N,N- bis(hydroxyethyl)	: aerobic Result: Readily biodegradable. 84 %
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#### Further information on ecology

Additional ecological information	: May be toxic to fish. May be toxic to aquatic organisms. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.
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### SECTION 13. DISPOSAL CONSIDERATIONS

Further information	: Dispose of waste material in compliance with all federal, state, and local regulations. Do not re-use empty containers. Discard empty container in trash.
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### SECTION 14. TRANSPORT INFORMATION

#### TDG

UN number : 1760  
Description of the goods : CORROSIVE LIQUID, N.O.S.  
(, potassium hydroxide)  
(, potassium hydroxide)  
Class : 8  
Packing group : III  
Labels : 8  
Environmentally hazardous : no

#### IATA

UN number : 1760  
Description of the goods : Corrosive liquid, n.o.s.  
(, potassium hydroxide)  
(, potassium hydroxide)  
Class : 8  
Packing group : III  
Labels : 8  
Environmentally hazardous : no

#### IMDG

UN number : 1760  
Description of the goods : CORROSIVE LIQUID, N.O.S.  
(, potassium hydroxide)  
(, potassium hydroxide)  
Class : 8  
Packing group : III  
EmS Number 1 : F-A  
EmS Number 2 : S-B  
  
Marine pollutant : no  
Environmentally hazardous : no

Not recommended for shipment by air  
Limited Quantity exemption possible

### SECTION 15. REGULATORY INFORMATION

**WHMIS Classification** : E

Corrosive to metalsCorrosive

**The components of this product are reported in the following inventories:**

**TSCA**

Note: Listed

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<b>US.TSCA</b>	Not On TSCA Inventory
<b>DSL</b>	This product contains one or several components that are not on the Canadian DSL nor NDSL lists.
<b>AICS</b>	Not in compliance with the inventory
<b>NZIoC</b>	Not in compliance with the inventory
<b>ENCS</b>	Not in compliance with the inventory
<b>KECI</b>	Not in compliance with the inventory
<b>PICCS</b>	Not in compliance with the inventory
<b>IECSC</b>	Not in compliance with the inventory
<b>TSCA list Information</b>	<u>US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)</u> <u>ZUS T12B</u>  <u>Not relevant</u>

### SECTION 16. OTHER INFORMATION

#### Further information

**HMIS Classification** : Health hazard: 2  
Flammability: 0  
Physical hazards: 0  
PPI: Ask supervisor or safety specialist for handling instructions



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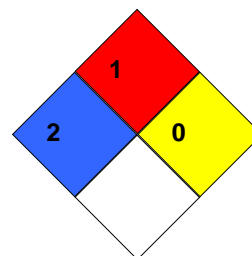
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**NFPA Classification** : Health hazard: 2  
Fire Hazard: 1 Class IIIB  
Combustible Liquid  
Reactivity Hazard: 0



### Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
<u>Mexico:</u>		+52 555 004 8763

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