

# Material Safety Data Sheet

PROFORCE FLOOR STRIPPER



## 1. Product and company identification

Trade name of product : PROFORCE FLOOR STRIPPER

Product use : Floor Stripper

Product dilution information : Up to 1:1 or 64 oz/gal or 1,893 mL/3.785 L in water

Supplier's information : Ecolab Inc.  
1801 Riverbend West Drive  
Fort Worth TX 76118  
1-866-999-7484  
www.ProForceCleaners.com

Code : 912227

Date of issue : 25-January-2011

EMERGENCY HEALTH INFORMATION: 1-866-897-8061  
Outside United States and Canada CALL 1-952-852-4656 (in USA)

## 2. Hazards identification

### Product AS SOLD

Physical state : Liquid.  
Emergency overview : DANGER !

CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.  
CAUSES RESPIRATORY TRACT IRRITATION.  
HARMFUL IF SWALLOWED.  
MAY BE HARMFUL IF ABSORBED THROUGH SKIN.

Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

### Product AT USE DILUTION

Liquid.  
DANGER !

CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.  
CAUSES RESPIRATORY TRACT IRRITATION.

Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing vapors, spray or mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

### Potential acute health effects

#### Product AS SOLD

Eyes : Corrosive to eyes.  
Skin : Corrosive to the skin. MAY BE HARMFUL IF ABSORBED THROUGH SKIN.  
Inhalation : Severely irritating to the respiratory system.  
Ingestion : Harmful if swallowed. Causes burns to mouth, throat and stomach.

#### Product AT USE DILUTION

Corrosive to eyes.  
Corrosive to the skin.  
Severely irritating to the respiratory system.  
Causes burns to mouth, throat and stomach.

See toxicological information (section 11)

## 3. Composition/information on ingredients

### Product AS SOLD

Name	CAS number	% by weight
BUTOXYETHANOL	111-76-2	10
ETHANOLAMINE	141-43-5	5 - 20
SODIUM METASILICATE	6834-92-0	1 - 5
alcohols, c10-14, ethoxylated	66455-15-0	1 - 5
dipropylene glycol methyl ether	34590-94-8	1 - 5
ISOPROPYL ALCOHOL	67-63-0	1 - 5

### 3. Composition/information on ingredients

#### Product AT USE DILUTION

Name	CAS number	% by weight
BUTOXYETHANOL	111-76-2	5
ETHANOLAMINE	141-43-5	1 - 5
SODIUM METASILICATE	6834-92-0	1 - 5
alcohols, c10-14, ethoxylated	66455-15-0	1 - 5
dipropylene glycol methyl ether	34590-94-8	1 - 5

### 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.	In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Skin contact</b>	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Inhalation</b>	: If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention.	If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention.
<b>Ingestion</b>	: If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.	If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

### 5. Fire-fighting measures

#### Product AS SOLD

<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides
<b>Fire-fighting media and instructions</b>	: Use an extinguishing agent suitable for the surrounding fire.  Dike area of fire to prevent runoff. In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

		Product AS SOLD	Product AT USE DILUTION
<b>Personal precautions</b>	:	Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.	Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.
<b>Environmental precautions</b>	:	Avoid contact of spilled material and runoff with soil and surface waterways.	Avoid contact of spilled material and runoff with soil and surface waterways.
<b>Methods for cleaning up</b>	:	Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a water rinse for final clean-up.	Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a water rinse for final clean-up.

## 7. Handling and storage

		Product AS SOLD	Product AT USE DILUTION
<b>Handling</b>	:	Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.	Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
<b>Storage</b>	:	Keep out of reach of children. Store in a closed container. Keep container tightly closed.	Keep out of reach of children. Store in a closed container. Keep container tightly closed.
		Store between the following temperatures: 10 and 50°C	

## 8. Exposure controls/personal protection

		Product AS SOLD	Product AT USE DILUTION
<b>Engineering measures</b>	:	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.
<b>Personal protection</b>			
<b>Eyes</b>	:	Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.	Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
<b>Hands</b>	:	Use chemical-resistant, impervious gloves.	Use chemical-resistant, impervious gloves.
<b>Skin</b>	:	Use synthetic apron, other protective equipment as necessary to prevent skin contact.	Use synthetic apron, other protective equipment as necessary to prevent skin contact.
<b>Respiratory</b>	:	Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.	Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.

Ingredient	Exposure limits

## 8. Exposure controls/personal protection

BUTOXYETHANOL	<p><b>ACGIH TLV (United States, 2/2010).</b> TWA: 20 ppm 8 hour(s).</p> <p><b>OSHA PEL (United States, 11/2006). Absorbed through skin.</b> TWA: 240 mg/m<sup>3</sup> 8 hour(s). TWA: 50 ppm 8 hour(s).</p>
ETHANOLAMINE	<p><b>ACGIH TLV (United States, 2/2010).</b> STEL: 15 mg/m<sup>3</sup> 15 minute(s). STEL: 6 ppm 15 minute(s). TWA: 7.5 mg/m<sup>3</sup> 8 hour(s). TWA: 3 ppm 8 hour(s).</p> <p><b>OSHA PEL (United States, 11/2006).</b> TWA: 6 mg/m<sup>3</sup> 8 hour(s). TWA: 3 ppm 8 hour(s).</p>
dipropylene glycol methyl ether	<p><b>ACGIH TLV (United States, 2/2010). Absorbed through skin.</b> STEL: 909 mg/m<sup>3</sup> 15 minute(s). STEL: 150 ppm 15 minute(s). TWA: 606 mg/m<sup>3</sup> 8 hour(s). TWA: 100 ppm 8 hour(s).</p> <p><b>OSHA PEL (United States, 11/2006). Absorbed through skin.</b> TWA: 600 mg/m<sup>3</sup> 8 hour(s). TWA: 100 ppm 8 hour(s).</p>
ISOPROPYL ALCOHOL	<p><b>ACGIH TLV (United States, 2/2010).</b> STEL: 400 ppm 15 minute(s). TWA: 200 ppm 8 hour(s).</p> <p><b>OSHA PEL (United States, 11/2006).</b> TWA: 980 mg/m<sup>3</sup> 8 hour(s). TWA: 400 ppm 8 hour(s).</p>

## 9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
<b>Physical state</b>	: Liquid.	Liquid.
<b>Flash point</b>	: 96 °C (Closed cup) Product does not support combustion.	> 100°C
<b>Color</b>	: Colorless.	Colorless.
<b>Odor</b>	: Faint odor.	Faint odor.
<b>pH</b>	: 12.5 [Conc. (% w/w): 100%]	12.5 to 13
<b>Boiling/condensation point</b>	: 100°C (212°F)	
<b>Relative density</b>	: 1.02	
<b>Viscosity</b>	: Dynamic: 50 mPa·s (50 cP)	
<b>Dispersibility properties</b>	: Easily dispersible in the following materials: cold water and hot water.	
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.	

## 10. Stability and reactivity

Product AS SOLD	
<b>Stability</b>	: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Reactivity</b>	: Reactive or incompatible with the following materials: acids. Slightly reactive or incompatible with the following materials: organic materials.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Hazardous polymerization</b>	: Under normal conditions of storage and use, hazardous polymerization will not occur.

## 11. Toxicological information

### Potential acute health effects

**Product AS SOLD**

**Eyes** : Corrosive to eyes.

**Skin** : Corrosive to the skin. MAY BE HARMFUL IF ABSORBED THROUGH SKIN.

**Inhalation** : Severely irritating to the respiratory system.

**Ingestion** : Harmful if swallowed. Causes burns to mouth, throat and stomach.

### Product AT USE DILUTION

Corrosive to eyes.

Corrosive to the skin.

Severely irritating to the respiratory system.

Causes burns to mouth, throat and stomach.

### Product AS SOLD

### Other adverse effects

**Target organs** : Contains material which causes damage to the following organs: kidneys, liver.  
Contains material which may cause damage to the following organs: blood, lymphatic system, upper respiratory tract, central nervous system (CNS).

## 12. Ecological information

**Ecotoxicity** : Not reported

## 13. Disposal considerations

**Product AS SOLD**

**Waste disposal** : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Product AT USE DILUTION

Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

**RCRA classification** : Unused product is D002 (Corrosive)

## 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### Product AS SOLD

**DOT Proper shipping name** : Consumer commodity

**Class** : ORM-D

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

### Product AT USE DILUTION

Not intended for transport.

## 15. Regulatory information

**Product AS SOLD**

**HCS Classification** : Toxic material  
Corrosive material  
Target organ effects

### Product AT USE DILUTION

Corrosive material  
Target organ effects

### Product AS SOLD

### U.S. Federal regulations

**TSCA 8(b) inventory** : All components are listed or exempted.

**SARA 302/304/311/312 extremely hazardous substances**: No listed substance

**SARA 302/304 emergency planning and notification**: No listed substance

**SARA 313** Product name CAS number Concentration

# 15. Regulatory information

Form R - Reporting requirements : 2-butoxyethanol 111-76-2 9.955

California Prop. 65 : No listed substance

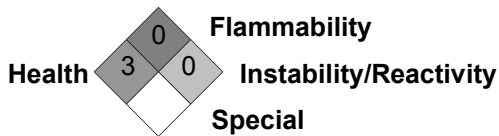
# 16. Other information

**Product AS SOLD**

Hazardous Material Information System (U.S.A.) :

Health	*	3
Flammability		0
Physical hazards		0

National Fire Protection Association (U.S.A.) :



**Product AT USE DILUTION**

Health	*	3
Flammability		0
Physical hazards		0



Date of issue : 25-January-2011  
Responsible name : Regulatory Affairs  
1-800-352-5326

Indicates information that has changed from previously issued version.

**Notice to reader**

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.