

# Material Safety Data Sheet

PROFORCE HEAVY DUTY DEGREASER



## 1. Product and company identification

Trade name of product : PROFORCE HEAVY DUTY DEGREASER

Product use : Degreaser

Product dilution information : Up to 1:1 or 64 oz/gal or 1,893 mL/3.7854 L in water

Supplier's information : Ecolab Inc.  
4050 Corporate Drive, Suite 100  
Grapevine, TX 76051-2326  
1-866-999-7484  
www.ProForceCleaners.com

Code : 912223-01

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 : CAUTION !

MAY CAUSE EYE AND SKIN IRRITATION.  
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

### Potential acute health effects

#### Product AS SOLD

Eyes : Moderately irritating to eyes.  
Skin : Moderately irritating to the skin.  
Inhalation : Slightly irritating to the respiratory system.  
Ingestion : No known significant effects or critical hazards.

### Product AT USE DILUTION

Liquid.

CAUTION !

MAY CAUSE EYE AND SKIN IRRITATION.  
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

### Product AT USE DILUTION

Moderately irritating to eyes.  
Moderately irritating to the skin.  
Slightly irritating to the respiratory system.  
No known significant effects or critical hazards.

See toxicological information (section 11)

## 3. Composition/information on ingredients

### Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
BUTOXYETHANOL	111-76-2	3
SODIUM CARBONATE	497-19-8	5 - 20
SODIUM XYLENE SULFONATE	1300-72-7	5 - 20
TETRASODIUM EDTA	64-02-8	1 - 5
alcohols, c10-14, ethoxylated	66455-15-0	1 - 5

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alcohols, c10-14, ethoxylated	66455-15-0	1 - 5

### 3. Composition/information on ingredients

### 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.	In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.
<b>Skin contact</b>	: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Inhalation</b>	: No special measures required. Treat symptomatically.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Get medical attention if symptoms occur.	Get medical attention if symptoms occur.

### 5. Fire-fighting measures

#### Product AS SOLD

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
 carbon dioxide  
 carbon monoxide  
 nitrogen oxides  
 sulfur oxides  
 metal oxide/oxides

**Fire-fighting media and instructions** : 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.

**Special protective equipment for fire-fighters** : 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>	: Use personal protective equipment as required.	Use personal protective equipment as required.
<b>Environmental precautions</b>	: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.
<b>Methods for cleaning up</b>	: Use a water rinse for final clean-up.	Use a water rinse for final clean-up.

### 7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
<b>Handling</b>	: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.	Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
<b>Storage</b>	: Keep out of reach of children. Store in a closed container. Store between the following temperatures: 10 and 50°C	Keep out of reach of children. Store in a closed container.

## 8. Exposure controls/personal protection

	Product AS SOLD	Product AT USE DILUTION
<b>Engineering measures</b>	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Personal protection</b>		
<b>Eyes</b>	: Safety eyewear should be used when there is a likelihood of exposure.	Safety eyewear should be used when there is a likelihood of exposure.
<b>Hands</b>	: Use chemical-resistant, impervious gloves.	Use chemical-resistant, impervious gloves.
<b>Skin</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Respiratory</b>	: No special protection is required.	No special protection is required.

Ingredient	Exposure limits
BUTOXYETHANOL	<b>ACGIH TLV (United States, 2/2010).</b> TWA: 20 ppm 8 hour(s). <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).

## 9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
<b>Physical state</b>	: Liquid.	Liquid.
<b>Flash point</b>	: 149 °C (Closed cup) Product does not support combustion.	> 100°C
<b>Color</b>	: Purple. [Light]	Purple. [Light]
<b>Odor</b>	: Faint odor.	Faint odor.
<b>pH</b>	: 12.5 to 13.5 [Conc. (% w/w): 100%]	11.3 to 12.6
<b>Boiling/condensation point</b>	: >100°C (>212°F)	
<b>Relative density</b>	: 1.11 to 1.13	
<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>	: Slightly reactive or incompatible with the following materials: acids.
<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** : Moderately irritating to eyes.  
**Skin** : Moderately irritating to the skin.  
**Inhalation** : Slightly irritating to the respiratory system.  
**Ingestion** : No known significant effects or critical hazards.

**Product AT USE DILUTION**

Moderately irritating to eyes.  
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### Product AS SOLD

### Other adverse effects

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

## 12. Ecological information

**Ecotoxicity** : Not reported

## 13. Disposal considerations

**Product AS SOLD**

**Waste disposal** : Diluted product can be flushed to sanitary sewer. Discard empty container in trash.  
**RCRA classification** : Unused product is D002 (Corrosive)

**Product AT USE DILUTION**

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

## 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 Classification** : Not regulated.

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** : Irritating material  
 Target organ effects

**Product AT USE DILUTION**

Irritating 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

<b>SARA 313</b>	<b>Product name</b>	<b>CAS number</b>	<b>Concentration</b>
<b>Form R - Reporting requirements</b>	: 2-butoxyethanol	111-76-2	3.0094

**California Prop. 65** : No listed substance

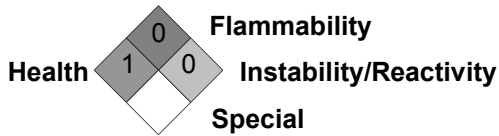
# 16. Other information

**Product AS SOLD**

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

Health	*	1
Flammability		0
Physical hazards		0

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



**Product AT USE DILUTION**

Health	*	1
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.**