

# Material Safety Data Sheet



PROFORCE HEAVY DUTY DEGREASER

## Section 1. Chemical product and company identification

**Trade name** : PROFORCE HEAVY DUTY DEGREASER  
**Product use** : Degreaser  
**Supplier** : Ecolab Inc.  
4050 Corporate Drive, Suite 100  
Grapevine, TX 76051-2326  
1-866-999-7484  
www.ProForceCleaners.com  
**Code** : 912223-01  
**Date of issue** : 24-October-2008

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

## Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
2-butoxyethanol	111-76-2	3
sodium carbonate	497-19-8	5 - 20
xylenesulfonic acid, sodium salt	1300-72-7	5 - 20
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt	64-02-8	1 - 5
alcohols, c10-14, ethoxylated	66455-15-0	1 - 5

## Section 3. Hazards identification

**Physical state** : Liquid. [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

**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.

See toxicological information (section 11)

## Section 4. First aid measures

**Eye contact** : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.  
**Skin contact** : 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.  
**Inhalation** : If inhaled, remove to fresh air.  
**Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation persists, get medical attention.

## Section 5. Fire fighting measures

- Flash point** : 148.889 °C (Closed cup)  
Product does not support combustion.
- 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.

## Section 6. Accidental release measures

- Personal precautions** : Use suitable protective equipment (section 8). Do not allow to enter drains or watercourses.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

## Section 7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
- Storage** : Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed.  
Store between the following temperatures: 10 and 50°C

## Section 8. Exposure controls/personal protection

- Engineering measures** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal protection :

- Eyes** : Eye protection recommended.
- Hands** : Use chemical-resistant, impervious gloves.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : A respirator is not needed under normal and intended conditions of product use.

### Name

2-butoxyethanol

### Exposure limits

**ACGIH TLV (United States, 1/2008).**

TWA: 20 ppm 8 hour(s).

**OSHA PEL (United States, 11/2006). Absorbed through skin.**

TWA: 240 mg/m<sup>3</sup> 8 hour(s).

TWA: 50 ppm 8 hour(s).

## Section 9. Physical and chemical properties

Physical state	: Liquid. [Liquid.]
Color	: Purple. [Light]
Odor	: Faint odor.
pH	: 12.5 to 13.5 [Conc. (% w/w): 100%]
Boiling/condensation point	: >100°C (>212°F)
Relative density	: 1.11 to 1.13
Viscosity	: Dynamic: 50 cP
Dispersibility properties	: Easily dispersible in the following materials: cold water and hot water.
Solubility	: Easily soluble in the following materials: cold water and hot water.

## Section 10. Stability and reactivity

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

## Section 11. Toxicological information

### Potential acute health effects

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.

### Potential chronic health 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).
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## Section 12. Ecological information

## Section 13. Disposal considerations

Waste disposal	: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Waste classification	: Unused product is D002 (Corrosive)
Consult your local or regional authorities.	

## Section 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.**

**UN Classification** Not regulated.

See shipping documents for specific transportation information.

## Section 15. Regulatory information

**HCS Classification** : Irritating material  
Target organ effects

**U.S. Federal regulations** : **SARA 302/304/311/312 extremely hazardous substances:** No products were found.  
**SARA 302/304 emergency planning and notification:** No products were found.  
**TSCA 8(b) inventory** : All components are listed or exempted.

<b>SARA 313</b>	<b>Product name</b>	<b>CAS number</b>	<b>Concentration</b>
Form R - Reporting requirements	2-butoxyethanol	111-76-2	3.02

**California Prop. 65** : No products were found.

## Section 16. Other information

Hazardous Material Information System (U.S.A.)	Health	*	1
	Flammability		0
	Physical hazards		0

**Date of issue** : 24-October-2008.  
**Responsible name** : Regulatory Affairs  
**Date of previous issue** : 25-September-2008.

### 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.**