# SAFETY DATA SHEET



#### POWER FORCE PREMIUM CLEANER DEGREASER

#### Section 1. Chemical product and company identification

Product name : POWER FORCE PREMIUM CLEANER DEGREASER

Recommended use and

restrictions

: Cleaning product

Use only for the purpose on the product label.

Product dilution information : Not applicable

Supplier's information : Ecolab Inc. Institutional Division

370 N. Wabasha Street St. Paul, MN 55102 1-800-352-5326

**Code** : 910488 **Date of issue** : **09 Jul 2013** 

EMERGENCY HEALTH INFORMATION: 1-800-328-0026

Outside United States and Canada CALL 1-651-222-5352 (in USA)

#### Section 2. Hazards identification

**Product AS SOLD** 

GHS Classification : SERIOUS EYE DAMAGE/ EYE IRRITATION -

Category 2A

**GHS** label elements

Signal word : Warning

Symbol :

<u>(!</u>)

**Hazard statements**: Causes serious eye irritation.

**Precautionary statements** 

**Prevention**: Wear eye or face protection. Wash hands

thoroughly after handling.

**Response**: IF IN EYES: Rinse cautiously with water for

several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye

irritation persists: Get medical attention.

**Storage**: No other specific measures identified.

**Disposal** : See section 13 for waste disposal information.

Other hazards : None known.

**Product AT USE DILUTION** 

Product is sold ready to use.

### Section 3. Composition/information on ingredients

Substance/mixture : Mixture

**Product AS SOLD** 

Hazardous ingredients Concentration Range (%) CAS number

 PHENOXYISOPROPANOL
 1 - 5
 770-35-4

 TRIETHANOLAMINE
 1 - 5
 102-71-6

 poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy 1 - 5
 34398-01-1

**Product AT USE DILUTION** 

Hazardous ingredients Concentration Range (%) CAS number

Product is sold ready to use.

#### Section 4. First aid measures

Product AS SOLD

**Eye contact**: Rinse cautiously with water for several minutes. Product is sold ready to use.

Remove contact lenses, if present and easy to do.

Continue rinsing. Get medical attention if

irritation persists.

**Skin contact**: No known effect after skin contact. Rinse with

water for a few minutes.

**Inhalation**: No special measures required. Treat

symptomatically.

**Ingestion**: Get medical attention if symptoms occur.

Protection of first-

aiders

: No action shall be taken involving any personal risk or without suitable training. It may be

**Product AT USE DILUTION** 

dangerous to the person providing aid to give mouth-to-mouth resuscitation.

**Notes to physician**: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The

exposed person may need to be kept under medical surveillance for 48 hours.

See toxicological information (section 11)

### Section 5. Fire-fighting measures

**Product AS SOLD** 

Suitable fire extinguishing

media

: Use water spray, fog or foam.

Specific hazards arising from the chemical

Hazardous thermal decomposition products

: In a fire or if heated, a pressure increase will occur and the container may burst.

 Decomposition products may include the following materials: carbon dioxide

carbon monoxide nitrogen oxides

Specific fire-fighting methods

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without

suitable training.

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

**Product AS SOLD** 

Personal precautions

: Use personal protective equipment as required.

Environmental precautions

: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Methods for cleaning up

and runoff with soil and surface waterways.Use a water rinse for final clean-up.

Product AT USE DILUTION

Product is sold ready to use.

# Section 7. Handling and storage

**Product AS SOLD** 

**Handling**: Avoid contact with eyes, skin and clothing. Wash

thoroughly after handling.

**Storage**: Keep out of reach of children. Keep container

tightly closed.

Store between the following temperatures: 0 and

40°C

#### **Product AT USE DILUTION**

Product is sold ready to use.

**Product AT USE DILUTION** 

Product is sold ready to use.

### Section 8. Exposure controls/personal protection

#### Control parameters

Ingredient name	Exposure limits
TRIETHANOLAMINE	ACGIH TLV (United States, 3/2012). TWA: 5 mg/m³ 8 hours.

**Product AS SOLD** 

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne

contaminants.

Personal protection

Eye protection

: Wear eye protection.

**Hand protection** : No protective equipment is needed under normal

use conditions.

**Skin protection**: No protective equipment is needed under normal

use conditions.

Respiratory protection

: A respirator is not needed under normal and

intended conditions of product use.

**Hygiene measures**: Wash hands, forearms and face thoroughly after handling chemical products, before eating,

smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing

before reusing.

# Section 9. Physical and chemical properties

**Product AS SOLD** 

Physical state : Liquid.
Color : Clear
Odor : citrus

**pH** : 9 to 11 (100%) **Flash point** : > 100°C

Product does not support combustion.

**Explosion limits**: Not available.

**Product AT USE DILUTION** 

Product is sold ready to use.

### Section 9. Physical and chemical properties

Flammability (solid, : Not available.

gas)

**Melting point** : Not available. **Boiling point** : Not available. **Evaporation rate** : Not available.

(butyl acetate = 1)

Vapor pressure : Not available. Vapor density : Not available.

Relative density : 0.995 to 1.025 (Water = 1)

Solubility : Easily soluble in the following materials: cold

water and hot water.

Partition coefficient: : Not available.

n-octanol/water

**Auto-ignition** temperature

: Not available.

Decomposition

: Not available.

temperature

Odor threshold : Not available. Viscosity : Not available.

# Section 10. Stability and reactivity

**Product AS SOLD** 

**Stability** : The product is stable.

Possibility of hazardous

: Under normal conditions of storage and use, hazardous reactions will not occur.

reactions

**Conditions to avoid** : No specific data.

Materials to avoid Slightly reactive or incompatible with the following materials: acids.

Hazardous decomposition

: Under normal conditions of storage and use, hazardous decomposition products

products

should not be produced.

### Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Inhalation, Ingestion

**Product AS SOLD** 

**Symptoms** 

Eye contact : Adverse symptoms may include the following:

pain or irritation

watering redness

Skin contact : No specific data. Inhalation : No specific data. Ingestion : No specific data.

Acute toxicity

Eye contact : Causes serious eye irritation.

Skin contact : No known significant effects or critical hazards. Inhalation : No known significant effects or critical hazards. Ingestion : No known significant effects or critical hazards.

**Toxicity data** 

Product/ingredient name

**Product AT USE DILUTION** 

Product is sold ready to use.

### Section 11. Toxicological information

1-phenoxy-2-propanol LC50 Inhalation Rat >5.4 mg/l

Dusts and mists

 LD50 Dermal
 Rat
 >2000 mg/kg

 LD50 Oral
 Rat
 2853 mg/kg

 LD50 Dermal
 Rabbit
 >2000 mg/kg

 LD50 Oral
 Rabbit
 >6400 mg/kg

LD50 Oral Rat 6400 mg/kg

poly(oxy-1,2-ethanediyl), .alpha.-undecyl-. LD50 Dermal Rabbit >2000 mg/kg

omega.-hydroxy-

triethanolamine

LD50 Oral Rat 1700 mg/kg

**Chronic toxicity** 

Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Teratogenicity : No known significant effects or critical hazards.
 Developmental effects : No known significant effects or critical hazards.
 Fertility effects : No known significant effects or critical hazards.

# Section 12. Ecological information

**Product AS SOLD** 

**Ecotoxicity** : No known significant effects or critical hazards.

Aquatic and terrestrial toxicity

Product/ingredient name Result **Species Exposure** 1-phenoxy-2-propanol Acute LC50 280 mg/l Fish 96 hours triethanolamine Acute LC50 11800 mg/l Fish 96 hours poly(oxy-1,2-ethanediyl), .alpha.-undecyl-. Fish Acute LC50 3.2 mg/l 96 hours

omega.-hydroxy-

Other adverse effects : No known significant effects or critical hazards.

### Section 13. Disposal considerations

**Product AS SOLD** 

**Disposal methods**: Diluted product can be flushed to sanitary sewer.

Discard empty container in trash.

**Product AT USE DILUTION** 

Product is sold ready to use.

### **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.

**DOT** 

DOT Classification Not regulated.

**IMO/IMDG** 

IMO/IMDG Classification Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

### **Section 15. Regulatory information**

#### **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

Form R - Reporting

requirements

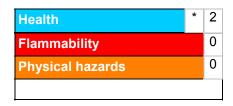
: No listed substance

<u>California Prop. 65</u> : No listed substance

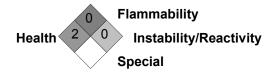
#### Section 16. Other information

#### **Product AS SOLD**

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



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



Date of issue : 09 Jul 2013

Prepared by : Regulatory Affairs

1-800-352-5326

#### 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.

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