Material Safety Data Sheet

APEX POWER PLUS

1. Product and company identification

Trade name of product : APEX POWER PLUS

Product use : Machine Warewashing Detergent

Product dilution information: Up to 3.3 oz/10 gal or 2.6 mL/L in water

Supplier's information : Ecolab Inc. Institutional Division

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

Code : 913176-01 Date of issue : 18-July-2012

> **EMERGENCY HEALTH INFORMATION: 1-800-328-0026** Outside United States and Canada CALL 1-651-222-5352 (in USA)

2. Hazards identification

Product AS SOLD

Physical state : Solid

Emergency overview

: WARNING!

CAUSES EYE IRRITATION.

Avoid contact with eyes. Wash thoroughly after

: No known significant effects or critical hazards.

handling.

Potential acute health effects

Product AS SOLD

: Severely irritating to eyes. Eyes

Skin : No known significant effects or critical hazards.

: No known significant effects or critical hazards. Inhalation

Product AT USE DILUTION

Liquid.

CAUTION!

No specific hazard. No specific hazard.

Product AT USE DILUTION

No known significant effects or critical hazards.

No known significant effects or critical

hazards.

No known significant effects or critical

hazards.

No known significant effects or critical

hazards.

See toxicological information (Section 11)

Composition/information on ingredients 3.

Product AS SOLD

Ingestion

<u>Name</u>	CAS number	<u>% by weight</u>
SODIUM CARBONATE	497-19-8	>50
SODIUM METASILICATE	6834-92-0	1 - 5
PPG-5-LAURETH-5	68439-51-0	1 - 5
troclosene sodium, dihydrate	51580-86-0	1 - 5
phosphonic acid, (1-hydroxyethylidene)bis-, potassium salt	67953-76-8	1 - 5

Product AT USE DILUTION

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

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4. First aid measures

Product AS SOLD

Eye contact : 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.

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

for a few minutes.

Inhalation : No special measures required. Treat symptomatically.

: Get medical attention if symptoms occur. Ingestion

Product AT USE DILUTION

No known effect after eye contact. Rinse with water for a few minutes.

No known effect after skin contact. Rinse with water for a few minutes.

No special measures required. Treat

symptomatically.

Get medical attention if symptoms occur.

Fire-fighting measures 5.

Product AS SOLD

Hazardous thermal decomposition products : Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides halogenated compounds metal oxide/oxides

Fire-fighting media and instructions

: Use an extinguishing agent suitable for the surrounding fire.

Dike area of fire to prevent runoff. No specific fire or explosion hazard.

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.

Accidental release measures 6.

Product AS SOLD

Personal precautions

precautions

Methods for

cleaning up

Environmental

: Use personal protective equipment as required.

: Avoid contact of large amounts of spilled material and

runoff with soil and surface waterways.

: Use a water rinse for final clean-up.

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

Use personal protective equipment as

waterways.

Use a water rinse for final clean-up.

7. Handling and storage

Product AS SOLD

Handling : Avoid contact with eyes. Do not breathe dust. Keep container closed. Use only with adequate ventilation.

Wash thoroughly after handling.

Storage : Keep out of reach of children. Store in a closed

container.

Do not store above the following temperature: 50°C

Product AT USE DILUTION

Product AT USE DILUTION

Wash thoroughly after handling.

Keep out of reach of children.

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8. **Exposure controls/personal protection**

Product AS SOLD

Engineering measures

: Good general ventilation should be sufficient to control

worker exposure to airborne contaminants.

Personal protection

Eves : Wear eye protection.

Hands : No protective equipment is needed under normal use

Skin : No protective equipment is needed under normal use

conditions.

: Wear appropriate respirator when ventilation is Respiratory

inadequate and occupational exposure limits are

exceeded.

Product AT USE DILUTION

Good general ventilation should be sufficient

to control worker exposure to airborne

contaminants.

No protective equipment is needed under

normal use conditions.

No protective equipment is needed under

normal use conditions.

No protective equipment is needed under

normal use conditions.

No special protection is required.

Ingredient	Exposure limits	
chlorine	ACGIH TLV (United States, 1/2008). STEL: 2.9 mg/m³ 15 minute(s). STEL: 1 ppm 15 minute(s). TWA: 1.5 mg/m³ 8 hour(s). TWA: 0.5 ppm 8 hour(s). OSHA PEL (United States, 11/2006). CEIL: 3 mg/m³ CEIL: 1 ppm	

9. Physical and chemical properties

Product AS SOLD

Physical state : Solid Flash point : > 100°C

Product does not support combustion.

Color : White : chlorine Odor

: 11 to 11.8 [Conc. (% w/w): 1%] pН

Product AT USE DILUTION

Liquid. > 100°C

Colorless Odorless

10.79 to 10.91

Stability and reactivity 10.

Product AS SOLD

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, alkalis and moisture. Do not allow water to enter container. Wet material may generate halogenated gas that may pressurize sealed containers. Mixing this product with acid or ammonia releases

chlorine gas.

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.

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Toxicological information

Potential acute health effects

Product AS SOLD

Eyes : Severely irritating to eyes.

Skin : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

: No known significant effects or critical hazards. Ingestion

Product AT USE DILUTION

No known significant effects or critical

hazards.

12. **Ecological information**

: Not reported **Ecotoxicity**

13. **Disposal considerations**

Product AS SOLD

: Avoid disposal. Attempt to use product completely in Waste disposal

accordance with intended use. Disposal should be in accordance with applicable regional, national and local

laws and regulations.

Product AT USE DILUTION

Product AT USE DILUTION

Not regulated.

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

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.

Regulatory information 15.

Product AS SOLD

HCS : Irritating material

Classification **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

Product name CAS number **Concentration SARA 313**

Form R - Reporting

requirements

: No listed substance

California Prop. 65 : No listed substance

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15. Regulatory information

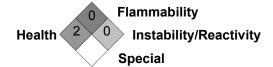
16. Other information

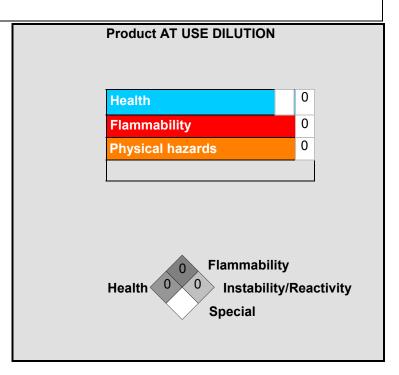
Information System (U.S.A.)

Product AS SOLD Hazardous Material :

Health 2
Flammability 0
Physical hazards 0

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





Date of issue : 18-July-2012
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.