Material Safety Data Sheet

EC LAB

KEYSTONE APEX PRESOAK

1. Product and company identification

Trade name of product : KEYSTONE APEX PRESOAK

Product use : Presoak

Product dilution information: Up to 0.5 oz/gal or 3.91 mL/L in water

Supplier's information : Ecolab Co.

5105 Tomken Road

Mississauga ON L4W 2X5

1-800-352-5326

Code : 911911-04

Date of issue : 10-December-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 : Extruded solid. Emergency : CAUTION!

overview

MAY CAUSE EYE IRRITATION.

Avoid contact with eyes. Wash thoroughly after

handling.

Routes of entry : Skin contact, Eye contact, Ingestion

Potential acute health effects

Product AS SOLD

Eyes : Slightly irritating to the eyes.

Skin: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

See toxicological information (Section 11)

Product AT USE DILUTION

Liquid. CAUTION!

No specific hazard. No specific hazard.

Product AT USE DILUTION

No known significant effects or critical

hazards.

3. Composition/information on ingredients

Product AS SOLD

<u>Name</u>	<u>CAS number</u>	% by weight
SODIUM CARBONATE	497-19-8	30 - 60
SODIUM SESQUICARBONATE	533-96-0	30 - 60
GLYCERIN	56-81-5	3 - 7
alcohols, c12-16, ethoxylated	68551-12-2	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.

First-aid measures 4.

Product AS SOLD

Eye contact : Rinse with water for a few minutes.

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.

5. Fire-fighting measures

Product AS SOLD

Auto-ignition temperature : Not available. : Not available. Flammable limits

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

carbon dioxide carbon monoxide metal oxide/oxides

Special remarks on fire hazards : Not available.

Special remarks on explosion hazards

: Not available.

Fire-fighting media and

instructions

: Use an extinguishing agent suitable for the surrounding fire.

Dyke 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

required.

mode.

6. Accidental release measures

Product AS SOLD

Personal precautions

precautions

Environmental

: Use personal protective equipment as required.

runoff with soil and surface waterways.

: Avoid contact of large amounts of spilt material and

waterways.

Product AT USE DILUTION

Methods for cleaning up

: Use a water rinse for final clean-up.

Use a water rinse for final clean-up.

Use personal protective equipment as

Avoid contact of large amounts of spilt material and runoff with soil and surface

Handling and storage 7.

Product AS SOLD

Handling : Avoid contact with eyes. Wash thoroughly after

handling.

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

> Store between the following temperatures: -10 and 50°C

Product AT USE DILUTION

Wash thoroughly after handling.

Keep out of reach of children.

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

: No protective equipment is needed under normal use Eves

conditions.

Hands : No protective equipment is needed under normal use

conditions.

Skin : No protective equipment is needed under normal use

conditions.

Respiratory : No special protection is required. **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.

Occupational exposure limits		TWA (8 hours)		STEL (15 mins)		Ceiling					
Ingredient	List name	ppm	mg/m³	Other	ppm	mg/m³	Other	ppm	mg/m³	Other	Notations
glycerin	US ACGIH 2/2010 AB 4/2009 BC 9/2010 ON 7/2010 QC 6/2008		10 10 10 3 10	-	- - - -	- - - -	- - - -	- - - -	- - - -	<u>-</u>	[3] [a] [a] [b]

[3]Skin sensitisation

Form: [a]Mist [b]Respirable mist [c]mist

9. Physical and chemical properties

Product AS SOLD

Physical state : Extruded solid.

Flash point : > 100°C

Product does not support combustion.

Colour : Blue. : citrus Odour

Ha : 10.08 to 10.58 [Conc. (% w/w): 1%]

Boiling/condensation: Not available.

point

Melting/freezing: Not available.

point

Relative density: 1.7 to 2.1 Vapour pressure: Not available. Vapour density: Not available. Odour threshold: Not available. **Evaporation rate**: Not available. **Viscosity** : Not available. **Dispersibility** : Not available.

properties

Solubility : Soluble in the following materials: hot water.

Partially soluble in the following materials: cold water.

: Not available. LogK_{ow}

Product AT USE DILUTION

Liquid. > 100°C

Blue. [Light]

citrus

10.33 to 10.33 [Conc. (% w/w): 100%]

Stability and reactivity 10.

Product AS SOLD

Stability : The product is stable. Under normal conditions of storage and use, hazardous

polymerisation will not occur.

Conditions of instability : Not available.

Reactivity Reactive or incompatible with the following materials: moisture.

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

11. Toxicological information

Potential acute health effects

Product AS SOLD

: Slightly irritating to the eyes. **Eyes**

Skin : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

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.

Product AS SOLD

Potential chronic health effects

Carcinogenic effects : No known significant effects or critical hazards. **Mutagenic effects** : No known significant effects or critical hazards. **Teratogenic effects** : No known significant effects or critical hazards. Reproductive effects : No known significant effects or critical hazards. : No known significant effects or critical hazards. **Sensitization to Product**

Synergistic products

(toxicologically)

: Not available.

Toxicity data

Product/ingredient name	Test	Route	Result	Species
sodium carbonate	LD50	Dermal	>2000 mg/kg	Rabbit
	LD50	Oral	2800 mg/kg	Rat
	LC50	Inhalation	1.15 mg/l	Rat
carbonic acid, sodium salt (2:3)	LD50	Oral	>4000 mg/kg	Rat
alcohols, c12-16, ethoxylated	LD50	Dermal	>2000 mg/kg	Rabbit
•	LD50	Oral	1100 mg/kg	Rat
glycerin	LD50	Dermal	23000 mg/kg	Rabbit
	LD50	Oral	18300 mg/kg	Rat
	LC50	Inhalation	>2.75 mg/l	Rat

Other adverse effects

Target organs : Contains material which may cause damage to the following organs: kidneys, upper

respiratory tract.

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.

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

TDG

TDG 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.

15. Regulatory information

Product AS SOLD

Product AT USE DILUTION

WHMIS

: Class D-2B: Material causing other toxic effects (Toxic).

Not hazardous by WHMIS criteria.

Canada inventory

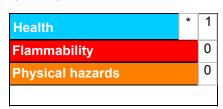
: All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

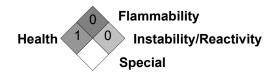
16. Other information

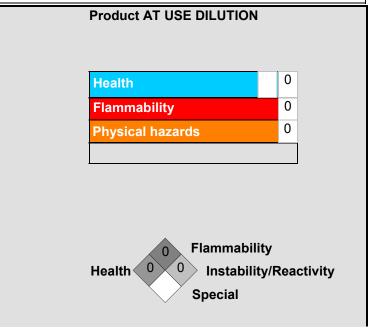
Product AS SOLD

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



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





16. Other information

Date of issue : 10-December-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.