

# Material Safety Data Sheet

KEYSTONE APEX POT & PAN SOAK



## 1. Product and company identification

Trade name of product : KEYSTONE APEX POT & PAN SOAK

Product use : Presoak

Product dilution information : Up to 3000 ppm in water

Supplier's information : Ecolab Co.  
5105 Tomken Road  
Mississauga ON L4W 2X5  
1-800-352-5326

Code : 913127-01

Date of issue : 13-February-2013

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!

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.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

## 3. Composition/information on ingredients

### Product AS SOLD

#### Name

SODIUM CARBONATE

SODIUM SILICATE

alcohols, c12-16, ethoxylated

#### CAS number

497-19-8

1344-09-8

68551-12-2

#### % by weight

40 - 70

10 - 30

3 - 7

### 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.

## 4. First-aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: Rinse with water for a few minutes.	No known effect after eye contact. Rinse with water for a few minutes.
<b>Skin contact</b>	: No known effect after skin contact. Rinse with water for a few minutes.	No known effect after skin contact. Rinse with water for a few minutes.
<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

<b>Auto-ignition temperature</b>	: Not available.
<b>Flammable limits</b>	: Not available.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides
<b>Special remarks on fire hazards</b>	: Not available.
<b>Special remarks on explosion hazards</b>	: Not available.
<b>Fire-fighting media and instructions</b>	: Use an extinguishing agent suitable for the surrounding fire.  Dyke area of fire to prevent runoff. No specific fire or explosion hazard.
<b>Special protective equipment for fire-fighters</b>	: 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 spilt material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilt 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. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.	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.

## 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>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Hands</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Skin</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Respiratory</b>	: Avoid breathing dust.	No special protection is required.

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	Notations
No exposure limit value known.											

Consult local authorities for acceptable exposure limits.

## 9. Physical and chemical properties

Product AS SOLD		Product AT USE DILUTION
<b>Physical state</b>	: Solid	Liquid.
<b>Flash point</b>	: > 100°C	> 100°C
<b>Colour</b>	: Orange [Dark]	Orange [Light]
<b>Odour</b>	: citrus	citrus [Slight]
<b>pH</b>	: 10.4 to 11 [Conc. (% w/w): 1%]	10.5
<b>Boiling/condensation point</b>	: Not available.	
<b>Melting/freezing point</b>	: Not available.	
<b>Relative density</b>	: 2.04 to 2.16	
<b>Vapour pressure</b>	: Not available.	
<b>Vapour density</b>	: Not available.	
<b>Odour threshold</b>	: Not available.	
<b>Evaporation rate</b>	: Not available.	
<b>Viscosity</b>	: Not available.	
<b>Dispersibility properties</b>	: Not available.	
<b>Solubility</b>	: Not available.	
<b>LogK<sub>ow</sub></b>	: Not available.	

## 10. Stability and reactivity

### Product AS SOLD

<b>Stability</b>	: The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
<b>Conditions of instability</b>	: Not available.
<b>Reactivity</b>	: Slightly reactive or incompatible with the following materials: acids.

## 10. Stability and reactivity

**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

**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.

#### 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.

**Sensitization to Product** : No known significant effects or critical hazards.

**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
silicic acid, sodium salt	LD50	Oral	>2000 mg/kg	Rat
	alcohols, c12-16, ethoxylated	LD50	Dermal	>2000 mg/kg
LD50		Oral	1100 mg/kg	Rat

### Other adverse effects

**Target organs** : Not available.

## 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 : Not hazardous by WHMIS criteria.

Not hazardous by WHMIS criteria.

Canada inventory : At least one component is not listed in DSL but all such components are listed in NDSL.

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

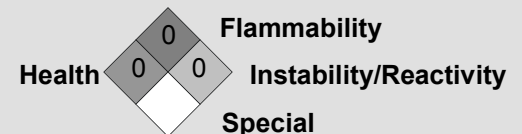
Product AT USE DILUTION

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

Health	1
Flammability	0
Physical hazards	0

Health	0
Flammability	0
Physical hazards	0

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



Date of issue : 13-February-2013

Responsible name : Regulatory Affairs  
1-800-352-5326

☑ Indicates information that has changed from previously issued version.

**Notice to reader**

## **16. Other information**

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.**