Material Safety Data Sheet



KEYSTONE FAST DRYING RINSE ADDITIVE

1. Product and company identification

Trade name of product : KEYSTONE FAST DRYING RINSE ADDITIVE

Product use : Rinse Additive

Product dilution information: Up to 440 ppm in water

Supplier's information: Ecolab Co.

5105 Tomken Road Mississauga ON L4W 2X5

1-800-352-5326

Code : 913195-01

Date of issue : 12-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 : Liquid.

Emergency : WARNING!

overview

WARNING!

Avoid contact with eyes, skin and clothing. Wash

CAUSES EYE AND SKIN IRRITATION.

thoroughly after handling.

Routes of entry : Skin contact, Eye contact, Inhalation, Ingestion

Potential acute health effects

Product AS SOLD

Eyes: Severely irritating to eyes.

Skin: Irritating to skin.

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>	CAS number	% by weight
SODIUM XYLENE SULFONATE	1300-72-7	7 - 13
PPG-6 C12-15 PARETH-12	68551-13-3	5- 10
alcohols, c10-16, ethoxylated propoxylated	69227-22-1	5- 10
alcohols, c13-15-branched and linear, butoxylated ethoxylated	111905-53-4	1 - 5
alcohols, c10-16, ethoxylated	68002-97-1	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.

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 : 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 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. Flammable limits : Not available.

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

carbon dioxide carbon monoxide sulfur oxides metal oxide/oxides

Special remarks on fire hazards: Not available. Special remarks on explosion

: Not available.

hazards

Fire-fighting media and

instructions

: Use an extinguishing agent suitable for the surrounding fire.

Dyke area of fire to prevent runoff.

In a fire or if heated, a pressure increase will occur and the container may burst. : Fire-fighters should wear appropriate protective equipment and self-contained

Special protective equipment for fire-fighters

breathing apparatus (SCBA) with a full face-piece operated in positive pressure

mode.

Accidental release measures 6.

Product AS SOLD

Personal precautions

Environmental

: Use personal protective equipment as required.

: Avoid contact of large amounts of spilt material and

runoff with soil and surface waterways.

Methods for cleaning up

Handling

precautions

: Use a water rinse for final clean-up.

Product AT USE DILUTION

Use personal protective equipment as required.

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

Use a water rinse for final clean-up.

Handling and storage 7.

Product AS SOLD

: Avoid contact with eyes, skin and clothing. Wash

thoroughly after handling.

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

container.

Store between the following temperatures: 0 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

Eyes: Wear eye protection.

Hands: For prolonged or repeated handling, use the following

type of gloves: Impervious gloves.

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
No exposure limit value known.											

Consult local authorities for acceptable exposure limits.

Physical and chemical properties

Product AS SOLD

Physical state : Liquid. Flash point : > 100°C

Product does not support combustion.

Colour : Green [Dark]
Odour : Odourless

pH : 2.5 [Conc. (% w/w): 100%]

Boiling/ : >100°C (>212°F)

condensation

point

Melting/freezing: Not available.

point

Relative density: 1.033 to 1.043
Vapour pressure: Not available.
Vapour density: Not available.
Odour threshold: Not available.
Evaporation rate: Not available.
Viscosity: Not available.
Dispersibility: Not available.

properties

Solubility: Easily soluble in the following materials: cold water

and hot water.

LogK_{ow}: Not available.

Product AT USE DILUTION

Liquid. > 100°C

Product does not support combustion.

Clear Odourless 7 to 8

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

Slightly reactive or incompatible with the following materials: metals and alkalis.

Hazardous decomposition

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

products

not be produced.

Hazardous polymerisation

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

Toxicological information 11.

Potential acute health effects

Product AS SOLD

: Severely irritating to eyes. Eyes

Skin : Irritating to skin.

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 xylenesulphonate	LD50	Dermal	>2000 mg/kg	Rabbit
	LD50	Oral	>7000 mg/kg	Rat
	LC50	Inhalation	>6.2 mg/l	Rat
alcohols, c12-15, ethoxylated propoxylated	LD50	Oral	>2000 mg/kg	Rat
alcohols, c10-16, ethoxylated propoxylated	LD50	Dermal	>2000 mg/kg	Rabbit
	LD50	Oral	>2000 mg/kg	Rat
	LC50	Inhalation	3.5 mg/l	Rat
alcohols, c13-15-branched and linear,	LD50	Dermal	>2000 mg/kg	Rat
butoxylated ethoxylated				
	LD50	Oral	>2000 mg/kg	Rat
alcohols, c10-16, ethoxylated	LD50	Dermal	>2000 mg/kg	Rat
	LD50	Oral	>1000 mg/kg	Rat
	LC50	Inhalation	>50 ma/l	Rat

Other adverse effects

Target organs : Not available.

12. Ecological information

Ecotoxicity : Not reported

13. Disposal considerations

Product AS SOLD

: 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

WHMIS

TDG Classification Not regulated.

IMO/IMDG

Waste disposal

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

: Class D-2B: Material causing other toxic effects

(Toxic).

Product AT USE DILUTION

Not hazardous by WHMIS criteria.

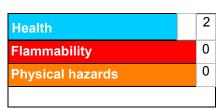
Canada inventory: All components are listed or exempted.

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

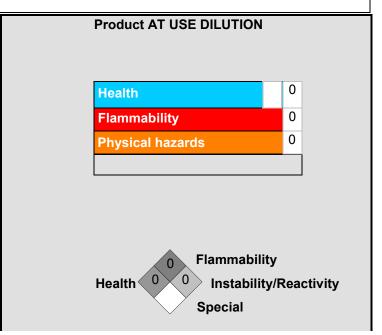
Product AS SOLD

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



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





16. Other information

Date of issue : 12-February-2013
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.