

# Material Safety Data Sheet



KEYSTONE APEX HEAVY DUTY RINSE ADDITIVE

## Section 1. Chemical product and company identification

**Trade name** : KEYSTONE APEX HEAVY DUTY RINSE ADDITIVE  
**Product use** : Rinse Additive  
**Supplier** : Ecolab Co.  
5105 Tomken Road  
Mississauga ON L4W 2X5  
1-800-352-5326  
**Code** : 924415-04  
**Date of issue** : 18-March-2009

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

## Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
xylenesulfonic acid, sodium salt	1300-72-7	7 - 13
phosphonic acid, (1-hydroxyethylidene)bis-, tetrasodium salt	3794-83-0	3 - 7

## Section 3. Hazards identification

**Physical state** : Solid. [Solid.]  
**Emergency overview** : CAUTION !

MAY CAUSE EYE IRRITATION.  
Avoid contact with eyes. Wash thoroughly after handling.

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

### Potential acute health effects

**Eyes** : Slightly irritating to the eyes.  
**Skin** : Slightly irritating to the skin.  
**Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

See toxicological information (section 11)

## Section 4. First-aid measures

**Eye contact** : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.  
**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** : If inhaled, remove to fresh air.  
**Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation persists, get medical attention.

## Section 5. Fire-fighting measures

**Auto-ignition temperature** : Not available.  
**Flash point** : > 100°C  
**Flammable limits** : Not available.  
**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
sulfur oxides  
phosphorus oxides  
metal oxide/oxides

**Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire. Dyke area of fire to prevent runoff.

**Special protective equipment for fire-fighters** : No specific fire or explosion hazard.  
: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Risk of explosion of the product in the presence of mechanical impact: Not available.

Risk of explosion of the product in the presence of static discharge: Not available.

## Section 6. Accidental release measures

**Personal precautions** : Use suitable protective equipment (section 8). Do not allow to enter drains or watercourses.

**Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up** : Use a tool to scoop up solid or absorbed material and place into appropriate labelled waste container. Avoid creating dusty conditions and prevent wind dispersal.

## Section 7. Handling and storage

**Handling** : Avoid contact with eyes. Wash thoroughly after handling.

**Storage** : Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed.  
Do not store above the following temperature: 50°C

## Section 8. Exposure controls/personal protection

**Engineering measures** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal protection :

**Eyes** : No protective equipment is needed under normal use conditions.

**Hands** : No protective equipment is needed under normal use conditions.

**Skin** : No protective equipment is needed under normal use conditions.

**Respiratory** : A respirator is not needed under normal and intended conditions of product use.

Consult local authorities for acceptable exposure limits.

## Section 9. Physical and chemical properties

**Physical state** : Solid. [Solid.]

**Colour** : Green. [Dark]

**Odour** : Odourless.

**pH** : 7 [Conc. (% w/w): 1%]

**Boiling/condensation point** : Not available.

**Melting/freezing point** : Not available.

**Vapour pressure** : Not available.

**Vapour density** : Not available.

**Odour threshold** : Not available.

**Evaporation rate** : Not available.

**LogK<sub>ow</sub>** : Not available.

## Section 10. Stability and reactivity

- Stability** : The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
- Conditions of instability** : Not available.
- Reactivity** : Not available.
- 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.

## Section 11. Toxicological information

### Potential acute health effects

- Eyes** : Slightly irritating to the eyes.
- Skin** : Slightly irritating to the skin.
- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

### Potential chronic health effects

- Carcinogenic effects** : No known significant effects or critical hazards.

<u>Ingredient name</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
Not applicable.				

- 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

<u>Ingredient name</u>	<u>Test</u>	<u>Route</u>	<u>Result</u>	<u>Species</u>
phosphonic acid, (1-hydroxyethylidene)bis-, tetrasodium salt	LD50	Oral	990 mg/kg	Rat

- Target organs** : Not available.

## Section 12. Ecological information

### Ecotoxicity

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>
Not available.		

## Section 13. Disposal considerations

- Waste disposal** : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**Consult your local or regional authorities.**

## 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.

UN Classification : Not regulated.

See shipping documents for specific transportation information.

## Section 15. Regulatory information

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

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*.

## Section 16. Other information

Date of issue : 18-March-2009.  
Responsible name : Regulatory Affairs  
1-800-352-5326  
Date of previous issue : 18-March-2009.

### 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.