

Material Safety Data Sheet



3X-RA

1. Product and company identification

Trade name of product	: 3X-RA
Product use	: Rinse additive
Product dilution information	: Up to 0.022% in water

Supplier's information : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326

Code : 923102
Date of issue : 29-April-2011

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 overview	: CAUTION !
MAY CAUSE EYE AND SKIN IRRITATION. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.	

Product AT USE DILUTION

Liquid.
CAUTION !

No specific hazard.
No specific hazard.

Potential acute health effects

Product AS SOLD

Eyes	: Moderately irritating to eyes.
Skin	: Moderately irritating to the skin.
Inhalation	: Slightly irritating to the respiratory system.
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.

See toxicological information (section 11)

3. Composition/information on ingredients

Product AS SOLD

Name	CAS number	% by weight
alcohols, c10-16, ethoxylated	68002-97-1	5 - 20
CITRIC ACID	77-92-9	5 - 20
SODIUM XYLENE SULFONATE	1300-72-7	1 - 5
ETIDRONIC ACID	2809-21-4	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	Product AT USE DILUTION
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.	No known effect after eye contact. Rinse with water for a few minutes.
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.	No known effect after skin contact. Rinse with water for a few minutes.
Inhalation	: No special measures required. Treat symptomatically.	No special measures required. Treat symptomatically.
Ingestion	: Get medical attention if symptoms occur.	Get medical attention if symptoms occur.

5. Fire-fighting measures

	Product AS SOLD	Product AT USE DILUTION
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. Dike area of fire to prevent runoff. In a fire or if heated, a pressure increase will occur and the container may burst.	
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.	

6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
Personal precautions	: Use personal protective equipment as required.	Use personal protective equipment as required.
Environmental precautions	: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.
Methods for cleaning up	: 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
Handling	: Avoid contact with eyes, skin and clothing. Do not mix with bleach or other chlorinated products - will cause chlorine gas. Wash thoroughly after handling.	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	Keep out of reach of children.

8. Exposure controls/personal protection

Product AS SOLD		Product AT USE DILUTION
Engineering measures	: 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.
Personal protection		
Eyes	: Safety eyewear should be used when there is a likelihood of exposure.	No protective equipment is needed under normal use conditions.
Hands	: For prolonged or repeated handling, use the following type of gloves: Impervious gloves.	No protective equipment is needed under normal use conditions.
Skin	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
Respiratory	: No special protection is required.	No special protection is required.

Consult local authorities for acceptable exposure limits.

9. Physical and chemical properties

Product AS SOLD		Product AT USE DILUTION
Physical state	: Liquid.	Liquid.
Flash point	: > 100°C	> 100°C
Color	: Blue [Dark]	Clear
Odor	: Odorless	Odorless
pH	: 4 [Conc. (% w/w): 100%]	8.5
Relative density	: 1.087	

10. Stability and reactivity

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. Do not mix with bleach or other chlorinated products - will cause 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.

11. Toxicological information

Potential acute health effects

Product AS SOLD		Product AT USE DILUTION
Eyes	: Moderately irritating to eyes.	No known significant effects or critical hazards.
Skin	: Moderately irritating to the skin.	No known significant effects or critical hazards.
Inhalation	: Slightly irritating to the respiratory system.	No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.	No known significant effects or critical hazards.

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

DOT Classification Not regulated.

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

15. Regulatory information

Product AS SOLD

HCS Classification : Irritating material

Product AT USE DILUTION

Not regulated.

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

SARA 313 **Product name**

CAS number **Concentration**

Form R - Reporting requirements : No listed substance

California Prop. 65 : No listed substance

16. Other information

Product AS SOLD

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

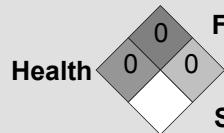
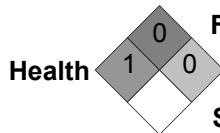
Health	1
Flammability	0
Physical hazards	0

Product AT USE DILUTION

Health	0
Flammability	0
Physical hazards	0

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

16. Other information



Date of issue : 29-April-2011
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.