



LIME-A-WAY

## 1. Product and company identification

Trade name of product : LIME-A-WAY  
 Product use : Delimer  
 Product dilution information : Up to 3 oz/gal or 23 mL in water  
 Supplier's information : Ecolab Inc. Institutional Division  
 370 N. Wabasha Street  
 St. Paul, MN 55102  
 1-800-352-5326  
 Code : 913153  
 Date of issue : 28-February-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 : Liquid.  
 Emergency overview : DANGER!  
 CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.  
 MAY BE HARMFUL IF SWALLOWED.  
 Do not ingest. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.  
 Potential acute health effects  
 Product AS SOLD  
 Eyes : Corrosive to eyes.  
 Skin : Corrosive to the skin.  
 Inhalation : No known significant effects or critical hazards.  
 Ingestion : Causes burns to mouth, throat and stomach. May be harmful if swallowed.  
 See toxicological information (Section 11)

## 3. Composition/information on ingredients

Product AS SOLD	
Name	CAS number
uronium hydrogen sulphate	21351-39-3
UREA	57-13-6
	% by weight
	20 - 50
	1 - 5
Product AT USE DILUTION	
Name	CAS number
uronium hydrogen sulphate	21351-39-3
	% by weight
	< 1

## 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 immediately.  
 Skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.  
 Inhalation : No special measures required. Treat symptomatically.  
 Ingestion : If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.  
 Product AT USE DILUTION  
 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  
 Hazardous thermal decomposition products : Decomposition products may include the following materials:  
 carbon dioxide  
 carbon monoxide  
 nitrogen oxides  
 sulfur 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  
 Personal precautions : Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.  
 Environmental precautions : Avoid contact of spilled material and runoff with soil and surface waterways.  
 Methods for cleaning up : Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a water rinse for final clean-up.  
 Product AT USE DILUTION  
 Use personal protective equipment as required.  
 Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.  
 Use a water rinse for final clean-up.

## 7. Handling and storage

**Product AS SOLD**

- : Do not ingest. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.
- : Keep out of reach of children. Keep container tightly closed.

Do not store above the following temperature: 50°C

**Product AT USE DILUTION**

Avoid contact with eyes. Wash thoroughly after handling.

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

## 8. Exposure controls/personal protection

**Product AS SOLD**

- : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

**Product AT USE DILUTION**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal protection

- Eyes** : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
- Hands** : Use chemical-resistant, impervious gloves.
- Skin** : Use suitable protective equipment.
- Respiratory** : No special protection is required.

No protective equipment is needed under normal use conditions.

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No protective equipment is needed under normal use conditions.

No special protection is required.

Consult local authorities for acceptable exposure limits.

## 9. Physical and chemical properties

**Product AS SOLD**

**Physical state** : Liquid.

**Flash point** : > 100°C

**Color** : Green [Dark]

**Odor** : Odorless

**pH** : 0.1 to 0.2 [Conc. (% w/w): 100%]

**Boiling/condensation point** : 100°C (212°F)

**Relative density** : 1.132 to 1.162

**Solubility** : Easily soluble in the following materials: cold water and hot water.

**Product AT USE DILUTION**

Liquid

> 100°C

Blue [Light]

Odorless

0.9 to 1.8

## 11. Toxicological information

### Potential acute health effects

**Product AS SOLD**

- : Corrosive to eyes.
- : Corrosive to the skin.

**Inhalation** : No known significant effects or critical hazards.

**Ingestion** : Causes burns to mouth, throat and stomach. May be harmful if swallowed.

**Product AT USE DILUTION**

Slightly irritating to the eyes.

No known significant effects or critical hazards.

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** : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

**RCRA classification** : Unused product is D002 (Corrosive)

**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** : UN3265

**DOT Proper shipping name** : Corrosive liquid, acidic, organic, n.o.s. (Urea Sulfate)

**Class** : 8

**Packing group** : II

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** : Corrosive material

**Product AT USE DILUTION**

Not regulated.

## 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** : Highly reactive or incompatible with the following materials: alkalis. Slightly reactive or incompatible with the following materials: metals.

**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.

**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** : No listed substance

**Form R - Reporting requirements** : No listed substance

**California Prop. 65** : No listed substance

**CAS number** : **Concentration**

### 15. Regulatory information

### 16. Other information

**Product AS SOLD**

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

Health	3
Flammability	0
Physical hazards	0

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

Health	1
Flammability	0
Physical hazards	0

Product AT USE DILUTION

Health	1
Flammability	0
Physical hazards	0

Health : 0  
Flammability : 0  
Instability/Reactivity : 0  
Special

Date of issue : 28-February-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.