

ECOLAB INC.,MAGNUS CHEMICAL DIV. ECOLAB CENTER -- LIME-A-WAY -- 6850-00-995-1044
===== Product Identification =====

Product ID:LIME-A-WAY

MSDS Date:05/22/1994

FSC:6850

NIIN:00-995-1044

MSDS Number: BGCGQ

=== Responsible Party ===

Company Name:ECOLAB INC.,MAGNUS CHEMICAL DIV. ECOLAB CENTER

Address:370 MABASHA STREET

City:ST. PAUL

State:MN

ZIP:55102-1311

Country:US

Info Phone Num:800-352-5236

Emerg

ency Phone Num:800-328-0026 612-292-4064,OUT OF US

CAGE:37733

=== Contractor Identification ===

Company Name:ECOLAB INC.,MAGNUS CHEMICAL DIV. ECOLAB CENTER

Address:370 MABASHA STREET

City:ST. PAUL

State:MN

ZIP:55102-1311

Phone:800-328-0026

CAGE:37733

Company Name:ECOLAB PROFESSIONAL PRODUCTS DIVISION OF ECOLAB INC.

Address:ECOLAB CENTER

Box:City:ST PAUL

State:MN

ZIP:55102

Country:US

Phone:800-352-5326

CAGE:85884

===== Composition/Information on Ingredients =====

Ingred Name:P

HOSPHORIC ACID (SARA 313) (CERCLA)

CAS:7664-38-2

RTECS #:TB6300000

Fraction by Wt: 30%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3/3 STEL; 9495

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 1530 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:**CORROSIVE** EYES:MAY CAUS

E SEVERE

IRRITATION AND BURNS.SKIN:MAY CAUSE IRRITATION.INGEST:MAY CAUSE SEVERE GI TRACT IRRITATION OR BURNS.INHAL:MAY CAUSE RESPIRATORY IRRITATION.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:INHAL:BURNING TASTE,SNEEZING,COUGHING,DIFFICULT BREATHING.

Medical Cond Aggravated by Exposure:SKIN IRRITATION MAY BE AGGRAVATED IN PERSONS WITH EXISTING SKIN LESIONS. BREATHING O

F MISTS MAY

AGGRAVATE ACUTE OR CHRONIC ASHTMA OR OTHER RESPIRATORY DISEASES.

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===== First Aid Measures =====

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH COOL WATER.EYES:FLUSH WITH COOL WATER FOR 15 MINUTES;REMOVE CONTACT LENSES.CALL PHYSICIAN.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,RINSE MOUTH WITH WATER,THEN

GIVE 1-2 GLASSES OF WATER OR MILK.ECOLAB EMERGENCY TEL # 800-328-0026.

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===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:EVACUATE AREA. FIREFIGHTERS WEAR SCBA AND PROTECTIVE CLOTHING. IF EXPOSED, IMMEDIATELY RELIEVE FROM DUTY AND OBTAIN PROMPT MEDICAL ATTENTION.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PROD

UCE

HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. CONTACT WITH COMMON METALS PRODUCES FLAMMABLE AND EXPLOSIVE HYDROGEN GAS.

===== Accidental Release Measures =====

Spill Release Procedures:REMOVE PERSONEL. VENTILATE. WEAR RESPIRATOR AND PROTECTIVE CLOTHING. SLOWLY, NEUTRALIZE SPILL. ABSORB IN INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. FLUSH AREA WITH LARGE AMOUNTS OF WATER.SMALL SPILLS CAN BE FLUSHED TO SEWER/WATER.

Neutraliz

ing Agent:SODA ASH, SODIUM BICARBONATE, OR LIME.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY AREA AWAY FROM YELLOW OR RED LABEL ITEMS. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. CORROSIVE TO MILD STEEL AND ALUMINUM.

Other Precautions:SUITABLE CONTAINERS ARE GLASS, POLYETHYLENE LINED DRUMS, FIBERGLAS. WHEN HANDLING THIS PRODUCT WEAR PROTECTIVE CLOTHING AND EQUIPMENT. WHEN DILUTING, ALWAYS ADD ACID SLOWLY TO WATER. STIR WELL TO AVOID SPATTERING. NEVER ADD WATER TO ACID.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA-APPROVED RESPIRATOR FOR ACID MISTS WHEN HANDLING SPILLS OR LEAKS, OR WHEN AIRBORNE CONCENTRATIONS EXCEED EXPOSURE LIMITS.

Ventilation:PROVIDE SUFFICIENT LOCAL EXHAUST VENTILATION TO CONTROL INHALATION EXPOSURES BELOW OSHA'S PEL.

Protective Gloves:RUBBER WITH PROTECTIVE CUFF OR GAUNTLET

Eye Protection

:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

NONE

===== Physical/Chemical Properties =====

HCC:C1

Boiling Pt:B.P. Text:212F,100C

Spec Gravity:1.2-1.3

pH:1-1.5

Solubility in Water:COMPLETE

Appearance

and Odor:LIQUID;GREEN;MILD ORGANIC ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

METALS,ALKALINE CHEMICALS,CHLORINATED DETERGENTS OR SANITIZERS.

Stability Condition to Avoid:MIX ONLY WITH WATER.

Hazardous Decomposition Products:PHOSPHORIC ACID FUMES AND ACID MIST.

CONTACT WITH COMMON METALS PRODUCES FLAMMABLE HYDROGEN GAS.

===== Disposal Considerations =====

Waste Disposal Methods:DISPO

SAL SHOULD BE MADE IN ACCORDANCE WITH ALL

APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. LANDFILL
SUITABLE AFTER PROPER NEUTRALIZATION. RCRA HAZARDOUS WASTE NUMBER
D002(CORROSIVE).

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