

ECOLAB INC ECOLAB CENTER -- LIME-A-WAY,12021 -- 6850-00-949-1397

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Product Identification
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Product ID:LIME-A-WAY,12021

MSDS Date:10/28/1994

FSC:6850

NIIN:00-949-1397

MSDS Number: BRGLJ

=== Responsible Party ===

Company Name:ECOLAB INC ECOLAB CENTER

Address:370 WABASHA ST

City:ST PAUL

State:MN

ZIP:55102

Country:US

Info Phone Num:612-293-2570/800-352-5326

Emergency Phone Num:612-293-2570/8

00-328-0026 (MEDICAL)

CAGE:85884

=== Contractor Identification ===

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

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Composition/Information on Ingredients
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Ingred Name:PHOSPHORIC ACID (SARA 313) (CERCLA)

CAS:7664-38-2

RTECS #:TB6300000

Fraction by Wt: 27%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

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

EPA Rpt Qty:500

0 LBS
DOT Rpt Qty:5000 LBS

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY
& GI TRACTS. ACUTE- EYE CONTACT MAY CAUSE SEVERE IRRITATION &
BURNS. MAY CAUSE PERMANENT EYE DAMAGE. CORROSIVE TO SKIN. INHALING
MIST/VAPORS MAY CAUSE RESPIRATORY I
RRITATION. INGESTION MAY CAUSE
SEVEREIRRITATION & BURNS TO THE MOUTH, THROAT & DIGESTIVE TRACT.
CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:SEVERE IRRITATION, BURNS, DIFFICULTY IN
BREATHING, PAIN, NAUSEA, VOMITING, COUGHING
Medical Cond Aggravated by Exposure:SKIN IRRITATION MAY BE AGGRAVATED
IN PERSONS WITH EXISTING SKIN LESIONS. MISTS MAY AGGRAVATE ACUTE OR
CHRONIC ASTHMA OR OTHER RESPIRATORY DISEASES.

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First Aid Me
asures
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First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN:IMMEDIATELY FLUSH
WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN.
INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.
ORAL:RINSE MOUTH AT ONC E; THEN DRINK 1 OR 2 GLASSES OF WATER/MILK.
NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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Fire Fighting Measures
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Flash Point:NONE
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM
OR DRY CHEMICAL
FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED
CONTAINERS.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT SUCH
AS GLOVES, HOODS, SUITS, RUBBER BOOTS AND A NIOSH-APPROVED
FULL-FACE SELF CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:CAN REACT WITH COMMON METALS TO LIBERATE
FLAMMABLE AND POTENTIALLY EXPLOSIVE HYDROGEN GAS. MAY FORM
HAZARDOUS FUMES SUCH AS PHOSPHORUS OXIDE.

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Accidental Release M
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asures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS INCLUDING RESPIRATOR FOR ACID MISTS. DIKE SPILL WITH SAND OR CLAY TO KEEP IT OUT OF SEWER SYSTEM. NEUTRALIZE WITH SODA ASH. REQUIRES GOOD VENTILATION AS CO2 IS PRODUCED. PLACE NEUTRALIZED SPILL IN DOT APPROVED CONTAINER.

Neutralizing Agent:SODA ASH

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

Handling and Storage Precautions:STORE IN CLOSED CONTAINERS AWAY FROM HEAT & IN COMPATIBLE MATERIALS.

Other Precautions:WARNING! CORROSIVE. KEEP OUT OF REACH OF CHILDREN. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID BREATHING MISTS OR VAPORS. WASH THOROUGHLY AFTER HANDLING. DO NOT INGEST.

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

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

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

Protective Gloves:NEOPRENE OR RUBBER

Eye Protection:SAFETY GOGGLES & FACE SHIELD

Other Protective Equipment:EYE WASH STATION & EMERGENCY SHOWER SHOULD BE IN CLOSE PROXIMITY. USE OF RUBBERIZED COVERALLS & RUBBER SHOES SUGGESTED.

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

Supplemental Safety and Health

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

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

Spec Gravity:1.20 - 1.30

pH:1- 1.5

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, GREEN LIQUID - MILD ORGANIC ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIES, SOME METALS, CHLORINATED DETERGENTS OR SANITIZERS (WILL CAUSE HAZARDOUS VAPORS)

Stability Condition to Avoid:STA

BLE UNDER NORMAL CONDITIONS OF HANDLING.

Hazardous Decomposition Products: TOXIC FUMES OF PHOSPHORUS PENTOXIDE MAY BE FORMED.

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

Waste Disposal Methods: DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. REPORTABLE QUANTITY (RQ) IS 5000 LBS. NATIONAL RESPONSE CENTER PHONE #: 800-424-8802. THIS MATERIAL IS A RCRA HAZARDOUS WASTE D002, CORROSIVE.

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