

ECOLAB ECOLAB CENTER -- LIME-A-WAY,12021 - SCALE REMOVING COMPOUND
MATERIAL SAFETY DATA SHEET
NSN: 6850009491397
Manufacturer's CAGE: 85884
Part No. Indicator: A
Part Number/Trade Name: LIME-A-WAY,12021

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General Information
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Item Name: SCALE REMOVING COMPOUND
Company's Name: ECOLAB INC ECOLAB CENTER
Company's Street: 370 WABASHA ST
Company's City: ST PAUL
Company's State: MN
Company's Country: US
Company's Zip Code: 55102
Company's Emerg Ph #: 612-293-2570/800-328-0026 (MEDICAL)
Company's Info Ph #: 612-293-2570/800-352-5326
Record No. For Safety Entry: 016
Tot Safety Entries This Stk#: 017
Status: SE
Date MSDS Prepared: 28OCT94
Safety Data Review Date: 26JUN95
Supply Item Manager: CX
MSDS Preparer's Name: UNKNOWN
MSDS Serial Number: BRGLJ
Specification Number: P-S-120
Spec Type, Grade, Class: TYPE II
Hazard Characteristic Code: C1
Unit Of Issue: BX
Unit Of Issue Container Qty: 4 X 1 GAL
Type Of Container: BOTTLES/BOX
Net Unit Weight: 40-43.3 LBS
NRC/State License Number: NOT RELEVANT

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: PHOSPHORIC ACID (SARA 313) (CERCLA)
Ingredient Sequence Number: 01
Percent: 27
NIOSH (RTECS) Number: TB6300000
CAS Number: 7664-38-2
OSHA PEL: 1 MG/M3
ACGIH TLV: 1 MG/M3/3 STEL; 9495
Other Recommended Limit: NONE RECOMMENDED

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Physical/Chemical Characteristics
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Appearance And Odor: CLEAR, GREEN LIQUID - MILD ORGANIC ODOR
Boiling Point: 212F,100C
Melting Point: UNKNOWN
Vapor Pressure (MM Hg/70 F): UNKNOWN
Vapor Density (Air=1): UNKNOWN
Specific Gravity: 1.20 - 1.30
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: UNKNOWN

Solubility In Water: COMPLETE
Viscosity: UNKNOWN
pH: 1- 1.5
Corrosion Rate (IPY): UNKNOWN

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Fire and Explosion Hazard Data
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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.
Special Fire Fighting Proc: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT SUCH AS GLOVES, HOODS, SUITS, RUBBER BOOTS AND A NIOSH-APPROVED FULL-FACE SELF CONTAINED BREATHING APPARATUS.
Unusual Fire And Expl Hazrds: 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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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): STABLE UNDER NORMAL CONDITIONS OF HANDLING.
Materials To Avoid: STRONG ALKALIES, SOME METALS, CHLORINATED DEETEGENTS OR SANITIZERS (WILL CAUSE HAZARDOUS VAPORS)
Hazardous Decomp Products: TOXIC FUMES OF PHOSPHORUS PENTOXIDE MAY BE FORMED.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT

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Health Hazard Data
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LD50-LC50 Mixture: LD50 (ORAL, RAT) IS UNKNOWN.
Route Of Entry - Inhalation: NO
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: YES
Health Haz 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 IRRITATION. INGESTION MAY CAUSE SEVERE IRRITATION & BURNS TO THE MOUTH, THROAT & DIGESTIVE TRACT. CHRONIC- UNKNOWN.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: SEVERE IRRITATION, BURNS, DIFFICULTY IN BREATHING, PAIN, NAUSEA, VOMITING, COUGHING
Med Cond Aggravated By Exp: SKIN IRRITATION MAY BE AGGRAVATED IN PERSONS WITH EXISTING SKIN LESIONS. MISTS MAY AGGRAVATE ACUTE OR CHRONIC ASTHMA OR OTHER RESPIRATORY DISEASES.
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 ONCE; THEN DRINK 1 OR 2 GLASSES OF WATER/MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: 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

Waste Disposal Method: 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.

Precautions-Handling/Storing: STORE IN CLOSED CONTAINERS AWAY FROM HEAT & INCOMPATIBLE 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.

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Control Measures
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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.

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Transportation Data
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Trans Data Review Date: 96045

DOT PSN Code: D00

DOT Symbol: D

DOT Proper Shipping Name: COMPOUNDS, CLEANING LIQUID

DOT Class: 8

DOT ID Number: NA1760

DOT Pack Group: III

DOT Label: CORROSIVE

IMO PSN Code: ESH

IMO Proper Shipping Name: CORROSIVE LIQUID, N.O.S. o

IMO Regulations Page Number: 8147

IMO UN Number: 1760

IMO UN Class: 8

IMO Subsidiary Risk Label: -

IATA PSN Code: HKM

IATA UN ID Number: 1760

IATA Proper Shipping Name: CORROSIVE LIQUID, N.O.S. *

IATA UN Class: 8

IATA Label: CORROSIVE

AFI PSN Code: HBO

AFI Symbols: D

AFI Prop. Shipping Name: COMPOUNDS, CLEANING LIQUID

AFI Class: 8

AFI ID Number: NA1760

AFI Pack Group: III

AFI Special Prov: N37

AFI Basic Pac Ref: A12.3

N.O.S. Shipping Name: CONTAINS PHOSPHORIC ACID, 27%

Additional Trans Data: PSN FOR DOT/AFI IS PER SAMMS-CTDF; IMO/IATA IS BEST GUESS BY DLA-HMIS STAFF-THEY DO NOT HAVE COMPOUND, CLEANING FOR A SHIPPING NAME. NOTE-THE % PHOSPHORIC ACID DOES MEET WHAT SAMMS-CTDF STATES IS SUPPOSED TO BE IN PRODUCT (30-50%)..

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Disposal Data
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Label Data
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Label Required: YES
Technical Review Date: 26JUN95
MFR Label Number: NOT RELEVANT
Label Status: F
Common Name: LIME-A-WAY,12021
Signal Word: DANGER!
Acute Health Hazard-Severe: X
Contact Hazard-Severe: X
Fire Hazard-None: X
Reactivity Hazard-Slight: X
Special Hazard Precautions: TARGET ORGANS:EYES, SKIN, RESPIRATORY & GI TRACTS. ACUTE- EYE CONTACT MAY CAUSE SEVERE IRRITATION & BURNS. MAY CAUSE PERMANENT DAMAGE. CORROSIVE TO SKIN. INHALING MIST/VAPORS MAY CAUSE RESPIRATORY IRRITATION. INGESTION MAY CAUSE SEVERE IRRITATION & BURNS. CHRONIC- UNKNOWN. STORE AWAY FROM INCOMPATIBLES. TRANSFER SPILL TO CONTAINER FOR DISPOSAL. FIRST AID- GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS RINSE MOUTH AT ONCE. DRINK 1-2 GLASSES OF WATER/MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: ECOLAB INC ECOLAB CENTER
Label Street: 370 WABASHA ST
Label City: ST PAUL
Label State: MN
Label Zip Code: 55102
Label Country: US
Label Emergency Number: 612-293-2570/800-328-0026 (MEDICAL)