

CREATIVE CHEMICALS INC

-- LIME AND SCALE DISSOLVER

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MSDS Safety Information
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FSC: 6850

NIIN: 00-949-1397

MSDS Date: 08/18/1998

MSDS Num: CJJHD

Product ID: LIME AND SCALE DISSOLVER

MFN: 01

Responsible Party

Cage: TO168

Name: CREATIVE CHEMICALS INC

Address: 3 CHURCH STREET

City: PALMER MA 01069

Info Phone Number: 413-283-9778

Emergency Phone Number: 800-255-3924/413-283-9778
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Item Description Information
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Item Manager: S9G

Item Name: SCALE REMOVING COMPOUND

Specification Number: P-S-120

Type/Grade/Class: II TYPE

Unit of Issue: BX

Quantitative Expression: 00000000004EA

UI Container Qty: 4 X 1 GAL

Type of Container: BOTTLES
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Ingredients
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Cas: 7664-38-2

RTECS #: TB6300000

Name: PHOSPHORIC ACID (85%)

Percent by Wt: 11.

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 1 MG/M3

ACGIH TLV: 1 MG/M3

ACGIH STEL: 3 MG/M3

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS
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Health Hazards Data
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LD50 LC50 Mixture: LD50 (ORAL, RAT) N/K

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: TARGET ORGANS: EYES, SKIN, RESPIRATORY AND

GASTROINTESTINAL TRACTS (). EFFECTS OF OVEREXPOSURE: ACUTE -CAUSES BURNS TO ALL TISSUES. DO NOT GET IN EYES, ON SKIN, OR CLOTHING. HARMFUL IF SWALLOWED.VAPORS ARE IRRITATING TO EYES, NOSE, AND THROAT. CHRONIC - PROLONGED OR REPEATED EXPOSURE MAY CAUSE IRRITATION OF THE SKIN, EYES, AND RESPIRATORY TRACT.

Explanation Of Carcinogenicity: NONE

Signs And Symptoms Of Overexposure: SEVERE IRRITATION, BURNS

First Aid: INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. EYE CONTACT: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. KEEP EYELIDS APART. CALL A PHYSICIAN IMMEDIATELY. SKIN CONTACT: SEE "EYES." REMOVE CONTAMINATED CLOTHING. INGESTION: DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF WATER OR MILK. GET IMMEDIATE MEDICAL ATTENTION.

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Handling and Disposal
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Spill Release Procedures: SPRINKLE AN EXCESS OF SODIUM BICARBONATE, SODA ASH, OF SIMILAR ALKALI ON SPILL UNTIL FOAMING CEASES AND ACID IS NEUTRALIZED. RINSE AREA WITH WATER.

Neutralizing Agent: SODIUM BICARBONATE, SODA ASH, LIME

Waste Disposal Methods: RINSE DRUM OFF AND DISPOSE OF ACCORDING TO LOCAL REGULATIONS FOR HAZARDOUS WASTE.

Handling And Storage Precautions: STORE IN A COOL AREA AWAY FROM HEAT. AVOID CONTACT WITH METALS, ALKALIES, AND OXIDIZING MATERIALS. KEEP CONTAINER CLOSED.

Other Precautions: DO NOT GET ON SKIN, EYES OR ON CLOTHING. IF SPILLED ON CLOTHING, REMOVE CLOTHING AND FLUSH OFF EXPOSED SKIN WITH WATER. DO NOT TAKE INTERNALLY. USE ADEQUATE EYE AND SKIN PROTECTION. WASH HANDS THOROUGHLY AFTER USE. KEEP OUT OF REACH OF CHILDREN.

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Fire and Explosion Hazard Information
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Flash Point Text: NONE

Lower Limits: NA

Upper Limits: NA

Extinguishing Media: WATER FOG, FOAM, GAS(CO2/HALON), DRY CHEMICAL.

Fire Fighting Procedures: IF POSSIBLE, MOVE CONTAINERS FROM FIRE AREA AND COOL WITH WATER SPRAY. WEAR PROTECTIVE CLOTHING, EYE, FACE AND SKIN PROTECTION.

Unusual Fire/Explosion Hazard: PHOSPHORIC ACID MIST CAN CAUSE IRRITATION OF THE EYES AND SKIN. THE ACID ALSO REACTS WITH MOST METALS TO PRODUCE EXPLOSIVE AND FLAMMABLE HYDROGEN GAS.

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Control Measures
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Respiratory Protection: NONE REQUIRED.

Ventilation: LOCAL EXHAUST ADEQUATE.

Protective Gloves: ACID RESISTANT GLOVES.

Eye Protection: SAFETY GLASSES OR GOGGLES, FACE SHIELD.

Other Protective Equipment: ACID RESISTANT APRON AND BOOTS. EYE BATH, WASHING FACILITY, EMERGENCY SHOWER

Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH BEFORE EATING, DRINKING OR SMOKING.

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Physical/Chemical Properties
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HCC: C1

B.P. Text: COMP. TO WATER

Spec Gravity: 1.04

Evaporation Rate & Reference: (BUAC=1) SLOWER

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR, THIN PINK LIQUID, NO ODOR

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Reactivity Data
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Stability Indicator: YES
Stability Condition To Avoid: DO NOT STORE IN METAL CONTAINERS OR AT HIGH TEMPERATURES.
Materials To Avoid: DO NOT MIX WITH OTHER CHEMICALS. KEEP AWAY FROM COMBUSTIBLE MATERIALS, METALS, ALKALIES, ETC.
Hazardous Decomposition Products: TOXIC GASES, INCLUDING PHOSPHORIC ACID FUMES MAY BE PRODUCED.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: WILL NOT OCCUR.

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Transportation Information
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Responsible Party Cage: TO168
Trans ID NO: 146596
Product ID: LIME AND SCALE DISSOLVER
MSDS Prepared Date: 08/18/1998
Review Date: 07/26/1999
MFN: 1
Tech Entry NOS Shipping Nm: CONTAINS PHOSPHORIC ACID.
Net Unit Weight: 34.7LBS/BOX
Multiple KIT Number: 0
Unit Of Issue: BX
Container QTY: 4 X 1 GAL
Type Of Container: BOTTLES
Additional Data: DOT PROPER SHIPPING NAME PER CTDF.

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Detail DOT Information
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DOT PSN Code: D00
Symbols: D
DOT Proper Shipping Name: COMPOUNDS, CLEANING LIQUID
Hazard Class: 8
UN ID Num: NA1760
DOT Packaging Group: III
Label: CORROSIVE
Special Provision: N37,T7
Non Bulk Pack: 203
Bulk Pack: 241
Max Qty Pass: 5 L
Max Qty Cargo: 60 L
Vessel Stow Req: A
Water/Ship/Other Req: 40

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Detail IMO Information
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IMO PSN Code: ESE
IMO Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. o
IMDG Page Number: 8147-1
UN Number: 3264
UN Hazard Class: 8
IMO Packaging Group: I/II/III
Subsidiary Risk Label: -
EMS Number: 8-15
MED First Aid Guide NUM: 760

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Detail IATA Information
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IATA PSN Code: HLF
IATA UN ID Num: 3264
IATA Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. *
IATA UN Class: 8
IATA Label: CORROSIVE
UN Packing Group: III
Packing Note Passenger: 818
Max Quant Pass: 5L
Max Quant Cargo: 60L
Packaging Note Cargo: 820
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Detail AFI Information
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AFI PSN Code: HBO
AFI Symbols: D
AFI Proper Shipping Name: COMPOUNDS, CLEANING LIQUID
AFI PSN Modifier: SEE ALSO CORROSIVE LIQUID N.O.S.
AFI Hazard Class: 8
AFI UN ID NUM: NA1760
AFI Packing Group: III
Special Provisions: P5, N37
Back Pack Reference: A12.3
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HAZCOM Label
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Product ID: LIME AND SCALE DISSOLVER
Cage: T0168
Assigned IND: Y
Company Name: CREATIVE CHEMICALS INC
Street: 3 CHURCH STREET
City: PALMER MA
Zipcode: 01069
Health Emergency Phone: 800-255-3924/413-283-9778
Label Required IND: Y
Date Of Label Review: 07/26/1999
Status Code: A
Year Procured: 1999
Origination Code: F
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: NO
Health Hazard: Moderate
Contact Hazard: Severe
Fire Hazard: None
Reactivity Hazard: None
Hazard And Precautions: TARGET ORGANS: EYES, SKIN, RESPIRATORY AND
GASTROINTESTINAL TRACTS (). EFFECTS OF OVEREXPOSURE: ACUTE -CAUSES
BURNS TO ALL TISSUES. DO NOT GET IN EYES, ON SKIN, OR CLOTHING. HARMFUL IF
SWALLOWED.VAPORS ARE IRRITATING TO EYES, NOSE, A ND THROAT. CHRONIC -
PROLONGED OR REPEATED EXPOSURE MAY CAUSE IRRITATION OF THE SKIN, EYES, AND
RESPIRATORY TRACT.
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