

LIQUID DEVELOPMENT INC -- LDC-2801 NICKEL

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MSDS Safety Information
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FSC: 6810
NIIN: 01-197-7797
MSDS Date: 01/01/1996
MSDS Num: BJMJZ
Product ID: LDC-2801 NICKEL
MFN: 01
Responsible Party
Cage: 57868
Name: LIQUID DEVELOPMENT CO INC
Address: 3748 E 91ST STREET
City: CLEVELAND OH 44105
|
Info Phone Number: 216-641-9366
Emergency Phone Number: 216-641-9366/800-424-9300(CHEMTREC)
Proprietary Ind: Y
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 57868
Name: LIQUID DEVELOPMENT CO INC
Address: 3748 E 91ST STREET
City: CLEVELAND OH 44105-2156
Phone: 216-641-9366/800-424-9300(CHEMTREC)

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Item Description Information
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Item Manager: S9G
Item Name: PLATING SOLUTION,NI
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: GL
UI Container Qty: 4 L (MSDS)
Type of Container: BOTTLE (MSDS)

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: NO

Ingestion: YES

Carcinogenicity Inds - NTP: YES

IARC: YES

OSHA: YES

Effects of Exposure: ACUTE-INGESTION:MAY CAUSE VOMITING,BURNING IN MOUTH AND MIGHT CAUSE SHOCK.EYES/NOSE/THROAT:IRRITATION.SKIN:NICKEL ITCH OR RASH.CHRONIC-LONG TERM EXPOSURE CAN CAUSE BLISTERING OF SKIN,COUGHING & DIFFICULTY OF BREATHING.

Explanation Of Carcinogenicity: AL

L CONCLUDED THAT NICKEL COMPOUNDS MAY REASONABLY BE ANTICIPATED TO BE CARCINOGENS.

Signs And Symptoms Of Overexposure: WATERING EYES, COUGHING, NASAL IRRITATION, SKIN RASH, BURNING OF MOUTH AND VOMITING

Medical Cond Aggravated By Exposure: CHRONIC RESPIRATORY DISEASE, SKIN DISORDERS, KIDNEY DISEASE, LIVER DISEASE AND EYE DISORDERS

First Aid: INHALATION:REMOVE TO FRESH AIR.IF NOT BREATHING GIVE CPR.GET MEDICAL ATTENTION.EYE:IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES.GET

IMMEDIATE MEDICAL ATTENTION.SKIN: IMMEDIATELY WASH WITH PLENTY OF WATER.REMOVE CONTAMINATED CLOTHING. INGESTION:SEEK IMMEDIATE MEDICAL ATTENTION.

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Handling and Disposal

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Spill Release Procedures: EVACUATE AND VENTILATE AREA.WEAR PROTECTIVE CLOTHING.SMOTHER WITH EXCESS NEUTRALIZING AGENTS.SCOOP INTO CONTAINER FOR PROPER DISPOSAL.DO NOT FLUSH INTO SEWER SYSTEM.

Neutralizing Agent

: SODA ASH

Waste Disposal Methods: SEND TO APPROVED TREATMENT/DISPOSAL FACILITY. DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

Handling And Storage Precautions: STORE BETWEEN 50-75F,OUT OF DIRECT LIGHT,IN A WELL VENTILATED AREA.KEEP CONTAINERS TIGHTLY SEALED.

Other Precautions: DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.DO NOT BREATHE VAPOR OR MIST.USE WITH ADEQUATE VENTILATION.WASH THOROUGHLY AFTER HANDLING.DO NOT EAT,DRINK O

R SMOKE IN WORK AREA.

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Fire and Explosion Hazard Information
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Flash Point Text: NONE

Extinguishing Media: WATER, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
CHEMICAL RESISTANT CLOTHING. USE WATER SPRAY TO COOL NEARBY CONTAINERS
EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard: CARBON MONOXIDE MAY BE PRODUCED DURING A FIRE.

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Control Measures
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Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR AS NECESSARY.

Ventilation: LOCAL EXHAUST VENTILATION IS REQUIRED.

Protective Gloves: RUBBER

Eye Protection: SAFETY CHEMICAL GOGGLES & FACE SHIELD

Other Protective Equipment: EYE WASH STATION & SAFETY SHOWER. CHEMICAL RESISTANT
BOOTS, APRON, AND PROTECTIVE CLOTHING AS REQUIRED BY JOB CONDITIONS.

Work Hygienic

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

Supplemental Safety and Health: DO NOT GET ON SKIN, IN EYES OR ON CLOTHING. DO
NOT BREATHE VAPORS OR MISTS. WASH THOROUGHLY AFTER HANDLING. TRADE SECRET
INFORMATION WILL BE DISCLOSED ONLY UPON FULL COMPLIANCE WITH CRITERIA LISTED
IN OSHA STANDARD "HAZARD COMMUNICATION", 29 CFR 1910.1200

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Physical/Chemical Properties
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HCC: C1

B.P. Text: >200F, >93C

M.P/F.P Text: UNKNOWN

Decomp Text: UNKNOWN

Vapor Pres: UNKNOWN

Vapor Density: UNKNOWN

Spec Gravity: 1.25 - 1.35

PH: 0- 1.5

Evaporation Rate & Reference: UNKNOWN

Solubility in Water: COMPLETE

Appearance and Odor: DARK GREEN LIQUID, FORMIC ACID ODOR

Corrosion Rate: UNKNOWN

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: NONE

Materials To Avoid: STRONG CAUSTICS, SULFURIC ACID CONCENTRATED

Hazardous Decomposition Products: CARBON MONOXIDE DURING A FIRE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT REVELANT

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Toxicological Information

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Ecological Informatio

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MSDS Transport Information

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Regulatory Information

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Other Information

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Transportation Information

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Responsible Party Cage: 57868

Trans ID NO: 114454

Product ID: LDC-2801 NICKEL

MSDS Prepared Date: 01/01/1996

Review Date: 12/20/1996

MFN: 1

Tech Entry NOS Shipping Nm: NICKEL SULFATE

Net Unit Weight: UNKNOWN

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: GL

Container QTY: 4 L (MSDS)

Type Of Container: BOTTLE (MSDS)

Additional Data: THE MFG. (LYNN HUTCHINSON) HAS STATED THIS ITEM IS SHIP

PED AS

SHOWN. IF A DIFFERENT LABEL IS USED ON SHIPMENTS SUCH AS "ENVIRONMENTALLY HAZARD" THE A COMPETITOR HAS USED SUCH A LABEL.

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Detail DOT Information
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DOT PSN Code: DWE
Symbols: G
DOT Proper Shipping Name: CORROSIVE LIQUIDS, N.O.S.
Hazard Class: 8
UN ID Num: UN1760
DOT Packaging Group: II
Label: CORROSIVE
Special Provision: B2,T14
Packaging Exception: 154
Non Bulk Pack: 202
Bulk
Pack: 242
Max Qty Pass: 1 L
Max Qty Cargo: 30 L
Vessel Stow Req: B
Water/Ship/Other Req: 40

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Detail IMO Information
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IMO PSN Code: ESH
IMO Proper Shipping Name: CORROSIVE LIQUID, N.O.S. o
IMDG Page Number: 8147
UN Number: 1760
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: HKR
IATA UN ID Num: 1760
IATA Proper Shipping Name: CORROSIVE LIQUID, N.O.S. *
IATA UN Class: 8
IATA Label: CORROSIVE
UN Packing Group: II
Packing Note Passenger: 808
Max Quant Pass: 1L
Max Quant Cargo: 30L
Packaging Note Cargo: 812

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Detail AFI Information
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AFI PSN Code: HKR
AF

I Symbols: *

AFI Proper Shipping Name: CORROSIVE LIQUID, N.O.S.

AFI Hazard Class: 8

AFI UN ID NUM: UN1760

AFI Packing Group: II

Special Provisions: P4

Back Pack Reference: A12.3

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HAZCOM Label
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Product ID: LDC-2801 NICKEL

Cage: 57868

Company Name: LIQUID DEVELOPMENT CO INC

Street: 3748 E 91ST STREET

City: CLEVELAND OH

Zipcode: 44105-2156

Health Emergency Phone: 216-641-9366/800-424-9300(
CHEMTREC)

Label Required IND: Y

Date Of Label Review: 06/12/1996

Status Code: C

MFG Label NO: UNKNOWN

Label Date: 06/12/1996

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Severe

Contact Hazard: Severe

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: ACUTE-INGESTION:MAY CAUSE VOMITING,BURNING IN MOUTH AND
MIGHT CAUSE SHOCK.EYES/NOSE/THROAT:IRRITATION.SKIN:NICKEL ITCH

OR

RASH.CHRONIC-LONG TERM EXPOSURE CAN CAUSE BLISTERING OF SKIN,COUGHING &
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REMOVE CONTAMINATED CLOTHING.INGESTION:SEEK I

MEDIATE MEDICAL ATTENTION.

TARGET ORGANS: SKIN

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