View NSN Online: https://aerobasegroup.de/nsn/6850-01-197-7797 LIQUID DEVELOPMENT INC -- LDC-2801 NICKEL \_\_\_\_\_\_ MSDS Safety Information \_\_\_\_\_\_ 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 ln fo Phone Number: 216-641-9366 Emergency Phone Number: 216-641-9366/800-424-9300(CHEMTREC) Proprietary Ind: Y Review Ind: Y Published: Y \_\_\_\_\_\_ Contractor Summary \_\_\_\_\_ 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) \_\_\_\_\_\_ Item Description Information \_\_\_\_\_\_ 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) \_\_\_\_\_\_ Ingredients 

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 & amp;

DIFFIC ULTY OF BREATHING. Explanation Of Carcinogenicity: ALL

CONCLUDED THAT NICKEL COMPOUNDS MAY

REASONABLY BE ANTICIPATED TO BE CARCINOGENS.

Signs And Symptions 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 WIT H 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 OR

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 & DESCRIPTION OF THE STREET S

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". 20 CER 1010 1200

IN OSHA STANDARD "HAZARD COMMUNICATION", 29 CFR 1910.1200

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Physical/Chemical Pro

perties

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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 & Evaporation R

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 Information

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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 SHIPP

## **ED 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

AFI

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(C

HEMTREC)

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 O

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RASH.CHRONIC-LONG TERM EXPOSURE CAN CAUSE BLISTERING OF SKIN, COUGHING & amp; DIFFIC ULTY OF BREATHING.STORAGE-STORE BETWEEN50-75F, OUT OF DIRECT LIGHT, IN A WELL VENTILATED AREA.KEEP CONTAINERS TIGHTLY SEALED. FIRST AID-INHALATION:REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR.GET MEDI CAL 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 IM

## MEDIATE MEDICAL ATTENTION. TARGET ORGANS: SKIN

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