View NSN Online: https://aerobasegroup.ae/nsn/6850-01-064-1687

LIQUID DEVELOPMENT CO INC -- LDC-2803 HI-SPEED NICKEL -- 6850-01-064-1687

========= Product Identification ==============

Product ID:LDC-2803 HI-SPEED NICKEL

MSDS Date:01/01/2000

FSC:6850

NIIN:01-064-1687

MSDS Number: BGJXQ === Responsible Party ===

Company Name: LIQUID DEVELOPMENT CO INC

Address:3748 E 91ST STREET

City:CLEVELAND

State:OH

ZIP:44105-2156

Country:US

Info Phone Num:216-641-9366/FAX -6416

Emergency

Phone Num:(800)424-9300

Preparer's Name: NOT PROVIDED Chemtrec Ind/Phone: (800)424-9300

CAGE:57868

=== Contractor Identification === Company Name:FAISON AND CO

Address:5821 ARROWHEAD DR SUITE 102

Box:3131

City:VIRGINIA BEACH

State:VA ZIP:23454 Country:US

Phone:757-490-6090

Contract Num:SP0450-00-M-SH28

CAGE:1P430

Company Name: LIQUID DEVELOPMENT CO INC

Address:3748 E 91ST STREET

Box:City:CLEVELAND

State:OH

ZIP:44105-2156

Country:US

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

CAGE:57868

= Composition/Information on Ingredients ========

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minumum % Wt:50.

Maxumum % Wt:60.

Other REC Limits:NOT PROVIDED

Ingred Name: NICKEL SULFATE (SARA 313) (CERCLA)

CAS:7786-81-4

RTECS #:QR9350000

Minumum % Wt:10.

Maxumum % Wt:20.

Other REC Limits: NONE ESTABLISHED

OSHA PEL:1 MG/M3 ACGIH TLV:0.1 MG/M3 EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

Ingred Name: CITRIC ACID

CAS:77-92-9

RTECS #:GE7350000

Minumum % Wt:1.

Maxumum % Wt:10.

Other REC Limit

s:NOT PROVIDED

OSHA PEL:NONE ESTABLISHED ACGIH TLV:NONE ESTABLISHED

Ingred Name:FORMIC ACID

CAS:64-18-6

RTECS #:LQ4900000

Minumum % Wt:1.

Maxumum % Wt:10.

Other REC Limits: NONE ESTABLISHED

OSHA PEL:9 MG/M3;5 PPM ACGIH TLV:9.4 MG/M3;5 PPM ACGIH STEL:19 MG/M3;10 PPM

EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name: AMMONIUM HYDROXIDE

CAS:1336-21-6

RTECS #:BQ9625000

Minumum % Wt:10.

Maxumum % Wt:20.

Other REC Limits:NOT PROVIDED

OSHA PEL:35 MG/M3 ACGIH TLV:17 MG/M3 EPA Rpt Qty:1000 LBS

DOT Rp

t Qty:1000 LBS
========== Hazards Identification =============
LD50 LC50 Mixture:NOT PROVIDED Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO Health Hazards Acute and Chronic:SKIN- NICKEL ITCH OR RASH. EYE- AMMONIA VAPORS ARE IRRITING AND MAY DAMAGE. EXPOSURE TO VAPORS CAN CAUSE PERMANENT UPPER RESPIRATORY TRACT IRRITATION, PNEUMONITITS. INGESTION- COULD CAUSE CORROSIVE EF FECTS ON THROAT AND MOUT H. Explanation of Carcinogenicity:SOLUBLE NICKEL COMPOUNDS: NTP: YES, IARC: YES, OSHA: YES. ALL CONCLUDE THAT NICKEL COMPOUNDS MAY REASONABLY BE ANTICIPATED TO BE CARCINOGENS. Effects of Overexposure:SKIN ITCH, BURNING, TEARING OF EYES, RUNNY NOSE, COUGHING, AND CHEST PAIN. Medical Cond Aggravated by Exposure:ASTHMA, ALLERGIES, KNOWN SENSITIZATION TO NICKEL, EASILY IRRITATE: EYES OR RESPIRATORY PROBLEMS, CHRONIC SKIN DISOREDERS.
======================================
First Aid:SKIN AND EYES- REMOVE CONTAMINATED CLOTHING. FLUSH WITH LARGE QUANTITIES OF WATER, SEEK MEDICAL ATTENTION. INHALATION- MOVE TO FRESH AIR. GET MEDICAL ATTENTION. INGESTION- GET IMMEDIATE MEDICAL ATTENT ION. DO NOT INDUCE VOMITING.
======================================
Flash Point:NONE Autoignition Temp:Autoignition Temp Text:NP Lower Limits:NA Upper Limits:NA Extinguishing Media:WATER, CO2, DRY CHEMICAL. Fire Fighting Procedures:CHEMICAL RESISTANT CLOTHING AND SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN IN CASE OF SPILL. Unusual Fire/Explosion Hazard:UNDER CERTAIN CIRCUMSTANCES AMMONIA VAPORS AND AIR CAN CREATE AN EXPLOSIVE MIXTURE.
========= Accidental Release Measures ===========

Spill Release Procedures: VENTILATE AREA. WEAR PROTECTIVE CLOTHING.

DISPOSAL.

Neutralizing Agent:NOT PROVIDED

SMOTHER WITH NEUTRALIZING AGENT, SCOOP INTO CONTAINER FOR PROPER

====== Handling and Storage ======================
Handling and Storage Precautions:STORE BETWEEN 45-75F, OUT OF DIRECT LIGHT, WITH CONTAINER SEALED TIGHT. Other Precautions:DO NOT EAT, DRINK, OR SMOKE IN WORK AREA.
======= Exposure Controls/Personal Protection ========
Respiratory Protection: A NIOSH/MSHA APPROVED RESPIRATOR AS NECESSARY. Ventilation: LOCAL EXHAUST: SHOULD BE USED TO MAINTAIN CONCENTRATIONS BELOW TLV.
Protective Gloves:RUBBER GLOVES Eye Protection:FACES
HIELD OR CHEMICAL GOGGLES Other Protective Equipment:CHEMICAL RESISTANT CLOTHING (APRON,BOOTS,ETC).
Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. Supplemental Safety and Health NONE
======================================
HCC:T6 NRC/State Lic Num:NOT RELEVANT Boiling Pt:>93.3C, 200.F Melt/Freeze Pt:M.P/F.P Text:NOT AVAILABLE Decomp Temp:Decomp Text:NOT PROVIDED Vapor Pres:NOT A VAILABLE Vapor Density:NA Spec Gravity:1.16-1.18 pH:7.4-7.8 Viscosity:NOT PROVIDED Evaporation Rate & Decomp Reference:NOT AVAILABLE Solubility in Water:COMPLETE Appearance and Odor:BLUE-GREEN LIQUID; STONG AMMONIA SMELL Corrosion Rate:NOT PROVIDED
======================================
Stability Indicator/Materials to Avoid:YES NONE EXPECTED Hazardous Decomposition Products:NONE
============= Toxicological Information ==============

Toxicological Inform

ation:NOT PROVIDED
======================================
Ecological:NOT PROVIDED
======= Disposal Considerations ===========
Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS. DO NOT FLUSH DOWN THE SEWER SYSTEM.
========= MSDS Transport Information ===========
Transport Information:NOT PROVIDED
========= Regulatory Information ===========
SARA Title III Information:NOT PROVIDED Federal Regulatory Information:NOT PROVIDED State Regulatory Information:NOT PROVIDED ==================================

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. An y person utilizing this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.