LIQUID DEVELOPMENT CO INC -- LDC-03 ACTIVATOR & ETCH -- 6850-01-064-6637

Product ID:LDC-03 ACTIVATOR & ETCH

MSDS Date:01/01/1994

FSC:6850

NIIN:01-064-6637

MSDS Number: BMTYR === 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:216-641-9366/800-424-9300(CHEMTREC)

CAGE:57868 === Cont

ractor Identification ===

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Address:3748 E 91ST STREET

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CAGE:57868

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000 Fraction by Wt: 70-80%

Other REC Limits: NONE RECOMMENDED

Ingred Name:SODIUM HYDROXIDE (CERCLA)

CAS:1310-73-2

RTECS #:WB4900000 Fraction by Wt: 1-10%

Other REC Limits: NONE RECOMMEN

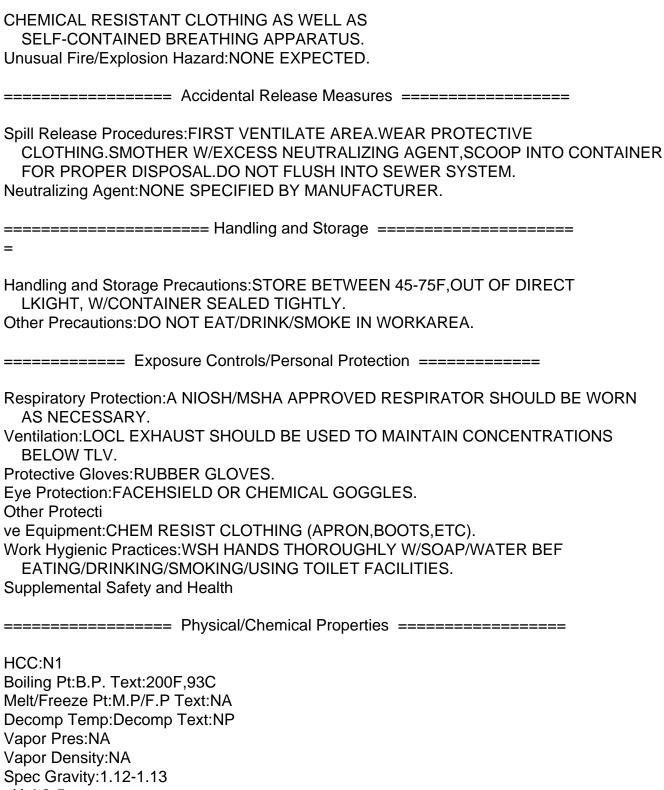
DED OSHA PEL:2 MG/M3 ACGIH TLV:C 2 MG/M3; 9596 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS Ingred Name: CITRIC ACID CAS:77-92-9 RTECS #:GE7350000 Fraction by Wt: 10-20% Other REC Limits: NONE RECOMMENDED LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:SKIN:IRRIT,CONTINUAL CONTACT MAY CAU SE BURNS. EYE: IRRIT, CONTINUAL CONTACT MAY CAUSE DAMAGE. INHAL: CHRONIC EXPO MAY CAUSE IRRIT & LEAD TO PNEUMONITIS. INGEST: COULD CAUSE BURNS TO MOUTH/THROAT/STOMACH. Explanation of Carcinogenicity: PER MSDS: CARCINOGEN: NTP/IARC/OSHA: NO. NO EVIDENCE HAS BEEN FOUND TO SUSPECT THESE CHEMICALS. Effects of Overexposure: SKIN/EYE IRRIT, SKIN BURNS, EYE DAMAGE, IRRIT WHEN INHAL, PNEUMONITIS, BURN MOUTH/THROAT/STOAMCH. Medical Cond Aggravated by Exposure: IMPAIRED PUMLONARY FUNCTION; ANY RESPIRATORY TRACT OR SKIN DISORDERS. First Aid:SKIN/EYE:REMOVE CONTAMIN CLOTH.FLUSH W/LG QUANT OF WATER.SEEK MED ATTN.INAHL:REMOVE TO FRESH AIR.SEEK MED ATTN.INGEST:GET IMMED MED ATTN. ============ Fire Fighting Measures ========================= Flash Point:NONE

Autoignition Temp: Autoignition Temp Text: NP

Extinguishing Media:WATER, CO2, DRY CHEMICAL.

Lower Limits:NA Upper Limits:NA

Fire Fighting Procedures:



pH:4.3-5

Viscosity:NP

Evaporation Rate & Deference: NA

Solubility in Water:COM

| PLETE. Appearance and Odor:CLEAR LIQUID, NO NOTICEABLE ODOR. Percent Volatiles by Volume:NP Corrosion Rate:NP |
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| ======== Stability and Reactivity Data ========= |
| Stability Indicator/Materials to Avoid:YES NOEN EXPECTED. Hazardous Decomposition Products:NONE |
| ======== Disposal Considerations =========== |
| Waste Disposal Methods:DISPOSE OF IAW LOCAL, STATE AND FEDERAL LAWS. |
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