

ELDORADO CHEMICAL COMPANY, INC. -- ES-38 -- 6850-01-383-2377

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

Product ID:ES-38

MSDS Date:06/14/1996

FSC:6850

NIIN:01-383-2377

MSDS Number: BYXLG

=== Responsible Party ===

Company Name:ELDORADO CHEMICAL COMPANY, INC.

Address:14350 LOOKOUT ROAD

Box:34837

City:SAN ANTONIO

State:TX

ZIP:78265

Country:US

Info Phone Num:512-653-9323 FAX 512-653-0825

Emergency Phone Num:512-653-9323/800-255-3924(CHEM-TEL)

Preparer's Name:BOB E. FLYNT

CAGE:55208

=== Contractor Identification ===

Company Name:ELDORADO CHEMICAL COMPANY, INC.

Address:14350 LOOKOUT ROAD

Box:34837

City:SAN ANTONIO

State:TX

ZIP:78265-4837

Country:US

Phone:800-531-1088/ 210-653-2060

CAGE:55208

Company Name:EMULTEC INDUSTRIAL PRODUCTS INC

Address:1150 HAYDEN DR SUITE 100

Box:City:CHARROLLTON

State:TX

ZIP:75006

Country:US

Phone:972-417-1288

CAGE:0WA27

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

Ingred Name:ETHYL ACETATE (CERCLA)

CAS:141-78-6

RTECS #:AH5425000
Fraction by Wt: 40%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM; 9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA 313) (CERCLA)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 35%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM
ACGIH TLV:200 PPM/300STEL;9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 10%
Other
REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9495

Ingred Name:TOLUENE (SARA 313) (CERCLA)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 20%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM; Z-2
ACGIH TLV:S, 50 PPM; 9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogeni

city:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-EYE/SKIN:MAY CAUSE IRRITATION.

ABSORBED THROUGH SKIN MAY CAUSE SYSTEMIC DAMAGE.

INHALATION:DIZZINESS, NAUSEA ASPHYXIATION. CHRONIC-EYE/SKIN:MAY CAUSE SYSTEMIC DAMAGE. INHALATION:MAY CAUSE KIVER & KIDNEY DAMAGE.

Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE CARCINOGENIC.

Effects of Overexposure:IRRITATION, DROWSINESS, NAUSEA, ASPHYXIATION.

Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION OF MSDS.

===== First Aid Measures =====

First Aid:EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. INHALATION:REMOVE TO FRESH AIR. GIVE OXYGEN. INGESTION:CONSULT PHYSICIAN.

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:24.0F,-4.4C

Autoignition Temp:Autoignition Temp Text:>700F

Lower Limits:2

Upper Lim

its:15

Extinguishing Media:CARBON DIOXIDE, FOAM.

Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS REQUIRED.

Unusual Fire/Explosion Hazard:EXPLOSIVE VAPORS MAY BE FORMED.

===== Accidental Release Measures =====

Spill Release Procedures:ALLOW TO EVAPORATE.

Neutralizing Agent:MFR GAVE NO INFORMATION OF MSDS.

===== Handling and Storage =====

Handling and Storage Precautions:MFR GAVE NO INFORMATION OF MSDS.

Other Precaution

s:MFR GAVE NO INFORMATION OF MSDS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:SCBA REQUIRED IF LIMITS EXCEEDED FOR MATERIAL TRANSFER/SPILL. SAME FOR USE.

Ventilation:200 FT/MIN FOR MATERIAL TRANSFER/SPILL. 100 FT/MIN FOR USE.

Protective Gloves:POLYETHYLENE

Eye Protection:FACE SHIELD

Other Protective Equipment:RUBBER APRON & BOOTS

Work Hygienic Practices:AVOID SKIN CONTACT. SCBA REQUIRED IN CONFINED SPACES.

Supplemental Safety and Health

N

ONE

===== Physical/Chemical Properties =====

HCC:F2

NRC/State Lic Num:NONE

Boiling Pt:>77.C, 170.6F

Melt/Freeze Pt:1 (WATER=1)

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR THIN LIQUID, PUNGENT ODOR

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, CORROSIVES, REACTIVE METALS

Stability Condition to Avoid:MFR GAVE NO INFORMATION OF MSDS.

Hazardou

s Decomposition Products:NONE INCOMPLETE COMBUSTION MAY CREATE
TOXIC GASES.

Conditions to Avoid Polymerization:MFR GAVE NO INFORMATION OF MSDS.

===== Disposal Considerations =====

Waste Disposal Methods:AS IS PRODUCT IS DOO1, DO35 EPA WASTE & CONTAINS
U112, U159, U239 LISTED MATERIAL. CONSULT FEDERAL, STATE & LOCAL
AGENCIES FOR PROPER DISPOSAL.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated fo

r 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. Any person utilizing this

document should seek competent professional advice to verify and

assume responsibility for the suitability of this information to their

particular situation.