

CHEMICAL COMMODITIES AGY, INC (E.I.DUPONT, MFR) -- AZEOTROPE:F113 & ETHANOL, P/N 960301-L -- 6850-00-512-1097

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

Product ID:AZEOTROPE:F113 & ETHANOL, P/N 960301-L

MSDS Date:01/01/1987

FSC:6850

NIIN:00-512-1097

MSDS Number: BFBYJ

=== Responsible Party ===

Company Name:CHEMICAL COMMODITIES AGY, INC (E.I.DUPONT, MFR)

Emergency Phone Num:714-864-2310

CAGE:60777

=== Cont

ractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

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

Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 96%

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL9192

Ozone Depleting Chemical:1

Ingred Name:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 3.6%

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: 0.4%

OSHA PEL:S,200PPM/250STEL

ACGIH TLV:S,200PPM/250STEL; 93

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

Effects of Overexposure:LIGHT HEADEDNESS,GIDDINESS,SHORTNESS OF BREATH,POSSIBLE NARCOSIS,POSS.CARDIAC ARRHYTHMIAS @ HI CONCS

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First Aid Measures  
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First Aid:INHALATION:REMOVE TO FRESH AIR, CALL A DR.DO NOT GIVE  
EPINEPHRINE OR SIMILAR DRUGS.SKIN OR EYE CONTACT:FLUSH W/WATER

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Fire Fighting Measures  
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Lower Limits:0.0  
Upper Limits:0.0  
Extinguishing Media:N/A,NON FLAMMABLE  
Unusual Fire/Explosion Hazard:NONE

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Accidental Release Measures  
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Spill Release Procedures:USE MOP & WATER TO WIPE-UP  
SPILL,VENTILATE  
AREA0ESPECIALLY LOW PLACES WHERE HEAVY VAPORS MIGHT COLLECT.REMOVE  
OPEN FLAMES.

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Handling and Storage  
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Handling and Storage Precautions:STORE CONTAINERS IN A  
CLEAN,DRY,AREA.DO NOT HEAT ABOVE 125F.STORE IN COOL AREA.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE AIR MASK IN HIGH CONCENTRATIONS.  
Ventilation:LOCAL EXHAUST FOR LG AMTS RELEASED,MECH.FOR LOW PLACES  
Protective  
Gloves:RUBBER  
Eye Protection:SAFETY GOGGLES  
Supplemental Safety and Health  
UPDATE PER UNDATED NON-OSHA MSDS RECD 8MAY85. DUPONT P/N=96O3O1-1.  
ALCOHOL INGR AS PER SDA 30 DENATURANT.

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Physical/Chemical Properties  
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HCC:N1  
Boiling Pt:B.P. Text:117.6F  
Vapor Pres:334  
Vapor Density:2.9  
Spec Gravity:1.57  
Evaporation Rate & Reference:0.3  
Solubility in Water:0.02%  
Appearance and Odor:COLORLESS LIQUID-SLIGHT ETHEREAL ODOR.  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid: YES

ALKALI OR ALKALINE EARTH METALS-POWDERED AL,ZN,BERYLLIUM,ETC

Stability Condition to Avoid: OPEN FLAMES OR HIGH TEMPERATURES

Hazardous Decomposition Products: HYDROCHLORIC & HYDROFLUORIC  
ACIDS-POSSIBLE PHOSGENE

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

Waste Disposal Methods: EVAPORATE OUTDOORS.

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