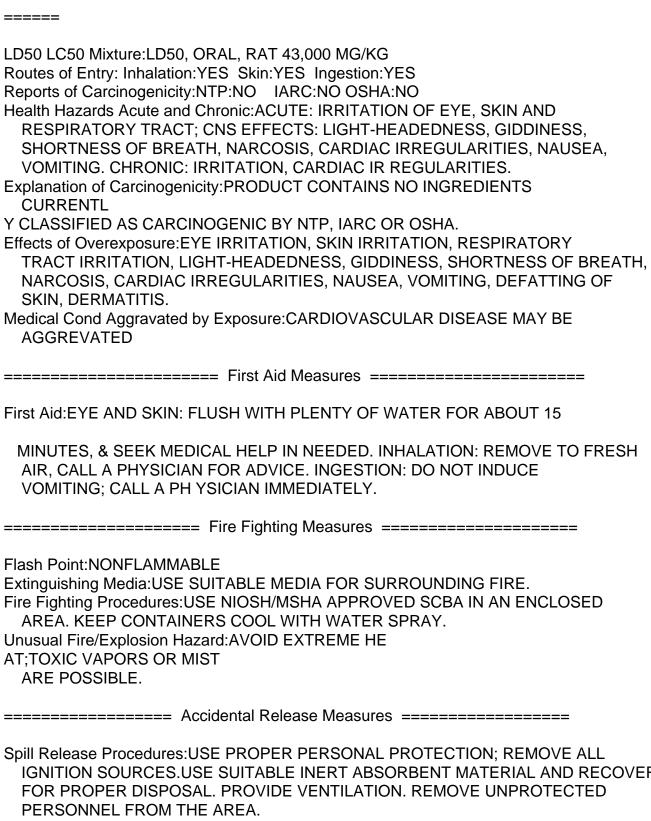
CHEMICAL COMMODITIES AGENCY FREON TF 6850-00-319-0834 ====================================
Product ID:FREON TF MSDS Date:10/20/1992 FSC:6850 NIIN:00-319-0834 MSDS Number: BPBYB === Responsible Party === Company Name:CHEMICAL COMMODITIES AGENCY Address:27447 PACIFIC STREET City:HIGHLAND State:CA ZIP:92346-2640 Country:US Info Phone Num:714-864-2310 Emergency Phone Num:714-864-2310 Preparer's Name:DGSC-SSH CAGE:60777 === Contractor 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
Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III) CAS:76-13-1 RTECS #:KJ4000000 Fraction by Wt: >99.0% OSHA PEL:1000PPM/1250STEL ACGIH TLV:1000PPM/1250STEL9192 Ozone Depleting Chemical:1
======================================



IGNITION SOURCES.USE SUITABLE INERT ABSORBENT MATERIAL AND RECOVER

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

Handling and Storage Precautions: AVOID CONTACT WITH EYES AND SKIN. STORE IN COOL

Other Precautions: CONTAINERS SHOULD BE TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM DAMAGE DURING STORAGE. PREVENT LEAKAGE OR SPILLAGE WHICH MAY RESULT IN OXYGEN DEPLETING BELOW LEVELS NECESSARY TO SUSTAIN L IFE. ====== Exposure Controls/Personal Protection ======== Respiratory Protection: USE NIOSH/APPROVED RESPIRATOR FOR ORGANIC VAPORS/ MIST IF AB OVE PEL/TLV. ABOVE 1,000 PPM, USE SELF-CONTAINED BREATHING APPARATUS. Ventilation: LOCAL EXHAUST/GENERAL TO MAINTAIN PEL/TLV. Protective Gloves: RUBBER Eye Protection: CHEMICAL GOGGLES. Other Protective Equipment: APRON, EYE-WASH, SAFETY SHOWER, BOOTS. Work Hygienic Practices: AVOID CONTACT WITH EYES AND SKIN.DO NOT BREATHE VAPORS/MIST.DO NOT EAT, SMOKE AND EAT IN WORK AREA. Supplemental Safety and Health MSDS PREPARED BY DGSC-SSH FROM SAME ITEM SUPPLIED BY CHEMICAL COMMODITIES UNDER DIFFEREN T STOCK NUMBER. FREON 113 MAY DILUTE OR DISPLACE OXYGEN BELOW LEVELS NECESSARY TO SUSTAIN LIFE. ======== Physical/Chemical Properties =========== HCC:N1 Boiling Pt:B.P. Text:118F/48C Melt/Freeze Pt:M.P/F.P Text:-31F Vapor Pres:334 Vapor Density:2.9 Spec Gravity:1.57 Evaporation Rate & Reference:>1.0 (BUT ACETATE=1) Solubility in Water: NEGLIGIBLE Appearance and Odor:CLEAR, COLORLESS LIQUID SLIGHT ETHEREAL. ======== Stability and Reactivity Data ======== Stability Indicator/Materials to Avoid:YES ALKALIES, OXIDIZING MATERIALS, WATER AL, ZINC, , ALKALINE EARTH METALS. Stability Condition to Avoid: OPEN FLAMES, ARCS, EXTREME HEAT. Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, HYDROGEN CHLORIDE, CHLORINE OR PHOSGENE ======= Disposal Considerations ============ Waste Disposal Methods: DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL STATE AND FEDERAL REGULATIONS.

DRY AND WELL VENTILATED AREA (BELOW 125F). AVOID

Disclaimer (provided with this informatio

BREATHING VAPORS. VAPORS ARE HEAVY AND MAY ACCUMULATE

n 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. 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.