ASHLAND CHEMICAL CO. DIVISION OF ASHLAND OIL INC. -- FREON TF 60# -- 6850-00-984-5853 Product ID:FREON TF 60# MSDS Date:12/22/1988 FSC:6850 NIIN:00-984-5853 MSDS Number: BGBNL === Responsible Party === Company Name: ASHLAND CHEMICAL CO. DIVISION OF ASHLAND OIL INC. Box:2219 City:COLUMBUS State:OH ZIP:43216 Country:US Info Phone Num:614-790-3333 Emergency Phone Num:606-324-1133 CAGE:5A188 === Contractor Identification === Compa ny Name: ASHLAND CHEMICAL CO Address:5200 PAUL BLAZEL MEMORIAL PARKWAY Box:City:DUBLIN State:OH ZIP:43017 Country:US Phone:614-889-4505 CAGE:5A188 ======= Composition/Information on Ingredients ========= Ingred Name: NO INGREDIENT FOR THIS FORMULATION INGREDIENT Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:ACUTE-EYE:MA Y CAUSE DISCOMFORT, USUALLY NO EXTENDED EFFECT.SKIN:PROLONGED/REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS. INHALATION: HIGH CONCENTRATIONS OF VAPOR CAN CAUSE NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS/DEATH. INGESTION: MAY CAUSE IRRITATION.LOW TOXICITY.CHRONIC-NOT GIVEN. Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:EYE IRRITATION/DISCOMFORT, MILD S

KIN IRRITATION, DERMATITIS, NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS, DEATH, GASTROINTESTINAL IRRITATION.
Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.
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First Aid:GET MEDICAL ATTENTION-EYE:FLUSH W/WATER 15 MIN,HOLD LIDS OPEN.SKIN:WASH WITH SOAP & WATER.INHALED:REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NECESSARY.KEEP VICTIM WARM & QUIET.DON'T GIVE STIMULANTS.EPINE PHRINE MAY ADVE RSELY AFFECT THE HEART WITH FATAL RESULTS.IF SWALLOWED:DON'T INDUCE VOMITING.KEEP PERSON WARM & QUIET.ASPIRATION OF MATERIAL INTO THE LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITI
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Flash Point:NONFLAMMABLE Extinguishing Media:NON FLAMMABLE. USE WATER FOG,CARBON DIOXIDE/DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER TO COOL FIRE-EXPOSED
CONTAINERS
Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING AP PARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN
FIGHTING FIRES. Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.
======== Accidental Release Measures =========
Spill Release Procedures:REMOVE FLAMES,HEATING ELEMENTS, GAS ENGINE, ETCWEAR PROTECTIVE EQUIPMENTS.ABSORB SMALL SPILLS ON PAPER,VERMICULITE, STOP LEAK FOR LARGE SPILLS.DIKE AREA.PUMP LIQUID TO SALVAGE TANK.TAKE UP THE RES T BY SAND/CLAY AND SHOVEL TO A CONTAINER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
========== Handling and Storage ===========
Handling and Storage Precautions:STORE CONTAINERS TIGHTLY CLOSED IN A COOL, WELL VENTILATED PLACE,AWAY FROM HEAT,SPARKS & FLAMES.EMPTY CONTAINER MAY CONTAIN HAZARDOUS RESIDUES. Other Precautions:OBSERVE ALL PRECAUTIONS GIVEN IN THE DATA SHEET.
====== Exposure Controls/Personal Protection ========

Respiratory Protection:IF WORKPLACE

**EXPOSURE LIMIT OF PRODUCT EXCEEDS** THE TLV, A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED. Ventilation: MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION. Protective Gloves:BUTYL RUBBER Eye Protection: CHEMICAL SPLASH GOGGLES Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED. Work Hygienic Practices: DO NOT INHALE VAPORS. WASH HANDS BEFORE EATING AND DRINKING. Supplemental Safety and Health NONE SPECIFIED BY MANUFACTURER. ========= Physical/Chemical Properties =========== HCC:N1 Boiling Pt:B.P. Text:118F,48C Vapor Pres:334 Vapor Density:6.5 Spec Gravity: 1.565 Evaporation Rate & Evaporation R Appearance and Odor: NONE SPECIFIED BY MANUFACTURER. Percent Volatiles by Volume:100 ======== Stability and Reactivity Data ========== Stability Indicator/Materials to Avoid:YES ALKALI METALS, ALKALINE EARTH METALS, POWDERED ALUMINUM, ZINC, BERYLLIUM ETC.. Stability Condition to Avoid: HIGH TEMPERATURES AND FLAMES Hazardous Decomposition Products: HYDROGEN FLUORIDE AND CHLORIDE. CARBONYL HALIDES, ETC.. ======= Disposal Considerations ============

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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