View NSN Online: https://aerobasegroup.es/nsn/6810-00-551-1487 ASHLAND CHEMICAL COMPANY -- TRICHLOROETHANE 111 DEGRS COLD/V ID3968500 6810-00-551-1487 ============= Product Identification ======================== Product ID:TRICHLOROETHANE 111 DEGRS COLD/V ID3968500 MSDS Date:12/22/1988 FSC:6810 NIIN:00-551-1487 MSDS Number: BGXTQ === Responsible Party === Company Name: ASHLAND CHEMICAL COMPANY Address:8600 ENTERPRISE DRIVE City:NEWARK State:CA Country:94 Info Phone Num:614-790-3333 Emergency Phone Num:606-324-1133 CAGE:86024 === Contractor Identification === Company Name: ASHLAND CHEMICAL CO. IC&S DIVISION Address:3101 WOOD DRIVE Box:City:GARLAND State:TX ZIP:75040 Phone:606-324-1133 CAGE:86024 ======= Composition/Information on Ingredients ========= Ingred Name: METHYL CHLOROFORM (1,1,1-TRICHLOROEHANE) (SARA III) CAS:71-55-6 RTECS #:KJ2975000 Fraction by Wt: 100% OSHA PEL:350 PPM/450 STEL ACGIH TLV:350 PPM/450STEL;9192 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LB S Ozone Depleting Chemical:1 Ingred Name:1,4-DIOXANE (DIETHYLENE DIOXIDE) (SARA III)

CAS:123-91-1

RTECS #:JG8225000 OSHA PEL:S, 100 PPM ACGIH TLV:S, 25 PPM; 9293

EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:EYES-IRRITATION, REDNESS, TEARING,
BLURRED VISION. SKIN-IRRITATION, DEFATTING, DERMATITIS.
BREATHING-EXCESSIVE INHALATION OF VA

PORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, CENTRAL NERVOUS SYSTEM E FFECT INCLUDING DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, H4EADACHE AND UNCONSCIOUSNESS EVEN DEATH.SWALLOW-VOMITING DIARRHEA Explanation of Carcinogenicity:OVEREXPOSURE TO THIS MATERIAL OR ITS COMPONENTS HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS:Effects of Overexposure:CARDIAC ABNORMALITY, LIVER
ABNORMALITIES, KIDNEY DAMAGE. CONCENTRATIONS OF PRODUCT IN THE 500 TO 1000 PPM RAN GE MAY PRODUCE MINIMAL ANAESTHETIC OR NARCOTIC
EFFECTS. PROGRESSIVELY HIGHER CON. OVER 1000 PPM MAY CAUSE DIZZINESS OR DRUNKENNESS. CONC. AS LOW AS 10,000 PPM CAN CAUSE UNCONSCIOUS & DEATH
Medical Cond Aggravated by Exposure:SEE ABOVE
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First Aid:SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. WASH BEFORE REUSE.EYES: FLUSH WITH WATER, LIFTING UPPER & LOWER LIDS. GET MED ATTN. SWALLOWED: DO NOT INDUCE VOMITING. DRINK 2 GLASSES OF WATER. GET MED ATTN. IF BREATHED-REMOVETO FRESH AIR
GIVE CPR IF NEEDED, GET MED ATTN: IF BREATHED REMOVE TO TREGITAIR GIVE CPR IF NEEDED, GET MED ATTN: DO NOT GIVE STIMULANTS, EPINEPHRINE OR EPHEDRINE MAY ADVERSELY AFFECT THE HEART WITH FATAL RESULTS.
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Upper Limits:7.5% Extinguishing Media:WATER FOG Fire Fighting Procedures:NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE
EXPLOSIVELY.
========= Accidental Release Measures ==========
Spill Release Procedures:SML SPILL; ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT AND TRANSFER TO HOOD. LARGE SPILL; PERSON NOT WEARING PROTECTIVE EQUIP SHOULD BE EXCLUDED FROM AREA O SPILL UNTIL CLEAN- UP HAS BEEN C OMPLETED. STOP SPILL @ SOURCE, DIKE AREA-SEE BELOW
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Handling and Storage Precautions: AVOID PROLONGED CON

TACT WITH PLASTIC AND RUBBER I.E. EQUIPMENT, PROTECTIVE CLOTHING, AND CONTAINERS. Other Precautions: CONTAINERS OF THIS MTERIAL MAY BE HAZARDOUS WHEN EMPTIED, SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLIDS), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERV ED. ====== Exposure Controls/Personal Protection ======== Respiratory Protection: PERMISSIBLE EXP 350 PPM/THRESHOLD LIMIT 350 PPM.-A NIOSH/MSHA RESPIRATOR IS ADVISE D IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REG PERMIT RESPIRATOR (NEG PRESS TYPE) UNDER SPEC COND. ENG OR ADM CONTROLS S/B IMPLEMENTED TO REDUCE **EXPOS** Ventilation: MECHANICAL VENTIALATION TO MAINTAIN EXPOSURE BELOW TLV Protective Gloves: POLYVINYL ALCOHOL, POLYETHYLENE Eye Protection: CHEM SPLASH GOGGLES Other Protective Equipment: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS. Supplemental Safety and Health WEAR SELF-CONTAINED BREATHING A PPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES. ======== Physical/Chemical Properties =========== HCC:T4 Boiling Pt:B.P. Text:190F 88.C Vapor Pres:68F 20.C Vapor Density:4.5 Spec Gravity:77F 25.C Evaporation Rate & Deference: 2.60 Appearance and Odor: CLEAR, APHA COLOR 15 MAX / STATE-LIQUID/FORM-HOMOG SOLN

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

Percent Volatiles by Volume:100

Stability

Indicator/Materials to Avoid:YES

WHICH CAN RESULT IN THERMALK DECOMPOSITION RELEASING HYDROGECHLORIDE & SMALL AMOUNTS OF PHOSGENE & CHLORINE SEE BELOW

Stability Condition to Avoid:WATER, REACTIVE METALS SUCH AS ALUMINUM AND MAGNESIUM. OPEN FLAME WELDING ARCS, RESISTANCE HEATER, ETC. (SEE BELOW)

Hazardous Decomposition Products:STRONG OXIDIZING AGENTS. HAZ DECOMP PRODUCTS CAN NOT OCCUR

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

Waste Disposal Methods:OF

SPILL TO PREVENT SPREADING, PUMP LIQUID TO
SALVAGE TANK. REMAINING LIQ MAY BE TAKEN UP ON SAND, CLAY, EARTH,
FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO
CONTAINERS. DISPOSE IAW LO CAL STATE AND FEDERAL REGULATIONS

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