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ASHLAND CHEMICAL COMPANY -- TRICHLOROETHANE 111 DEGRS COLD/V ID3968500

6810-00-551-1487

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 L BS

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

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

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 V

APORS 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 RA

NGE 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

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 NO

T INDUCE VOMITING. DRINK 2

GLASSES OF WATER. GET MED ATTN. IF BREATHED-REMOVETO FRESH AIR GIVE CPR IF NEEDED, GET MED ATTN: DO NOT GIVE STIMULANTS, EPINEPHRINE OR EPHEDRINE MAY ADVERSELY AFFECT THE HEART WITH FATAL RESULTS.

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

========= 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 OF SPILL UNTIL CLEAN- UP HAS BEEN C OMPLETED. STOP SPILL @ SOURCE, DIKE AREA-SEE BELOW
========== Handling and Storage ===========
Handling and Storage Precautions:AVOID PROLONGED CO NTACT 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 PPMA NIOSH/MSHA RESPIRATOR IS ADVIS ED 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 APPARATUS 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 & Description Rate & Descriptio
=========== Stability and Reactivity Data ==========

EXPLOSIVELY.

Stabilit

y 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:O

F 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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