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ASHLAND CHEMICAL CO. IC&S DIVISION -- TRICHLORETHAN 111 DEGRS COLD/V

6810-00-551-1487

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

Product ID:TRICHLORETHAN 111 DEGRS COLD/V

MSDS Date:12/22/1988

FSC:6810

NIIN:00-551-1487

MSDS Number: BFDYW === Responsible Party ===

Company Name: ASHLAND CHEMICAL CO. IC&S DIVISION

Address:3101 WOOD DRIVE

City:GARLAND

State:TX ZIP:75040

Info Phone Num:606-324-1133

Emergency

Phone Num:606-324-1133

CAGE:34897

=== Contractor Identification ===

Company Name: ASHLAND CHEMICAL CO

Box:2219

City:COLUMBUS

State:OH

ZIP:43216-2219

Country:US

Phone:614-790-3333/800-274-5263

CAGE:34897

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

Ingred Name: METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS:71-55-6

RTECS #:KJ2975000 Fraction by Wt: 100%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:350 PPM

ACGIH TLV:350 PPM/450STEL;9394

EPA Rpt Qty:1000 LBS

DOT Rp

t Qty:1000 LBS Ozone Depleting Chemical:1
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LD50 LC50 Mixture:ORAL LD50 (RAT) = 10300 MG/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:ACUTE: EYES- SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION. SKIN- MODERATE IRRITATION, DEFATTING, DERMATITIS. INHALE- NASAL AND RESPIRATORY IRRITATION, CNS EFFECTS INCLUDING DIZZI
NESS, WEAKNESS, FATIGUE. INGEST- NAUSEA, VOMITING, DIARRHEA. CHRONIC: CARDIAC, LIVER, KIDNEY ABNORMALITIES.
Explanation of Carcinogenicity:NOT LISTED AS A CARCINOGEN BY NTP, IARC OR OSHA
Effects of Overexposure:INCOORDINATION AND IMPAIRED JUDGMENT MAY OCCUR AT VAPOR EXPOSURES FROM 500-1000 PPM. DIZZINESS, DROWSINESS, AND GENERAL ANESTETHIC EFFECTS MAY OCCUR IN RANGES OF 1000 PPM AND HIGHER.
Medical Cond Aggravated by Exposure:INCREASED SENSITIVITY TO ADRENALIN MAY BE C
AUSED BY OVER EXPOSURE.
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First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. EYE: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL AT TENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER PROMPTLY. INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR USP MINERAL OIL. GET IMMEDIATE MEDICAL ATTENTI ON.
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Lower Limits:7.5 Extinguishing Media:WATER FOG Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER

SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard: NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT, EVEN RESIDUE, CAN IGNITE EXPLOSIVELY.

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Spill Release Procedures:SMALL SPILL: WIPE UP WITH RAGS OR TOWELS.
LARGE SPILLS: WEAR NIOSH APPROVED RESPIRATOR. VENTILATE AREA. DIKE
TO RETAIN FLUID. PUMP UP FREE LIQUID. RESIDUE WILL EVAPORATE
QUICKLY. DO NOT FLUSH TO SEWER OR WATERWAY.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED LOCATION, AWAY FROM ANY AREA WHERE T

HE FIRE HAZARD MAY BE ACUTE.

KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions:DO NOT USE WITH ALUMINUM. READ AND FOLLOW DIRECTIONS ON LABEL. DO NOT REUSE CONTAINERS.

====== Exposure Controls/Personal Protection ========

Respiratory Protection: IN HIGH VAPOR AREA, USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE SELF-CONTAINED BREATHING APPARATUS IF VAPOR LEVELS EXCEED 1000 PPM.

Ventilation:LOCAL EXHAUST RECOMMENDED TO CONTROL VAPORS BEL OW 50% OF

TLV.

Protective Gloves: NEOPRENE, PVA GLOVES RECOMMENDED.

Eye Protection: USE CHEMICAL SAFETY GOGGLES.

Other Protective Equipment: APRON AND WORK CLOTHING TO MINIMIZE EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices: WASH THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT BREATH VAPORS OR MIST.

Supplemental Safety and Health

TARGET ORGANS ARE SKIN, CNS, CVS, AND EYES

HCC:T4

Boiling Pt:B.P. Text:162F,72C

Vapor Pres:100 Vapor Density:4.5 Spec Gravity:1.3

Evaporation Rate & Evaporation R

Solubility in Water: 0.07G/100G

Appearance and Odor:CLEAR, APHA COLOR 15 MAX, LIQUID, HOMOGEOUS

SOLUTION

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES WATER, REACTIVE METALS SUCH AS ALUMINUM AND MAGNESIUM. Stability Condition to Avoid:H

IGH TEMPERATURES, SPARKS, AND OPEN FLAMES
Hazardous Decomposition Products:WHEN INVOLVED IN FIRE,
1,1,1-TRICHLOROETHANE EMITS HIGHLY TOXIC AND IRRITATING HYDROGEN
CHLORIDE AND PHOSGENE FUMES.

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

Waste Disposal Methods:DISOPSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS

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