View NSN Online: https://aerobasegroup.tw/nsn/6810-00-664-0388

Product ID:TRICHLOROETHANE 111 DEGREASE COLD/VAPOR MSDS Date:07/14/1989 FSC:6810 NIIN:00-664-0388 MSDS Number: BQNQT === Responsible Party === Company Name: ASHLAND CHEMICAL, INC. SUBS. OF ASHLAND OIL, INC. Box:2219 City:COLUMBUS State:OH ZIP:43216 Coun try:US Info Phone Num:614-790-3333 Emergency Phone Num:800-274-5263 CAGE:5A188 === Contractor Identification === Company 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 Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROEHANE) (SARA III) CAS:71-55-6 RTECS #:KJ2975000 Fraction by Wt: >95% OSHA PEL:350 PPM/450 STEL

ACGIH TLV:350 PPM/450ST

EL;9293 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS Ozone Depleting Chemical:1

Ingred Name:1,4-DIOXANE (DIETHYLENE DIOXIDE) (SARA III) CAS:123-91-1 RTECS #:JG8225000 Fraction by Wt: 2.5% OSHA PEL:S, 100 PPM ACGIH TLV:S, 25 PPM; 9293 EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

LD50 LC50 Mixture:ORAL LD50 (RAT) = 10300 MG/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:YES IARC:YES OS HA:NO Health Hazards Acute and Chronic:ACUTE: MAY CAUSE EYE & SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. CENTRAL NERVOUS SYSTEM DEPRESSANT. LOSS OF CONSCIOUSNESS AND EVEN DEATH CAN OCCUR AT HIGH LEVELS OF EXPOSURE. Explanation of Carcinogenicity:1,4-DIOXANE IS LISTED AS AN ANIMAL CARCINOGEN BY NTP AND IARC.

Effects of Overexposure:INCOORDINATION AND IMPAIRED JUDGMENT MAY OCCUR AT VAPOR EXPOSURES FROM 500-1000 PPM. DIZZINESS, DROWSINESS, AND GENERAL ANESTETHI

C EFFECTS MAY OCCUR IN RANGES OF 1000 PPM AND HIGHER.

Medical Cond Aggravated by Exposure:INCREASED SENSITIVITY TO ADRENALIN MAY BE CAUSED BY OVER EXPOSURE.

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 CLOTHI NG. WASH WITH SOAP AND WATER PROMPTLY. INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR USP MINERAL OIL. GET IMMEDIATE MEDICAL ATTENTION.

Lower Limits:7.5% Upper Limits:15.0% Extinguishing Media:WATER FOG Fire Fighting Procedures:WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL UNTIL FIRE IS OUT. WEAR SCBA WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE. Unusual Fire/Explosion Hazard:N EFER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM BECAUSE PRODUCT CAN IGNITE EXPLOSIVELY(EVEN JUST RESIDUE) 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 Stora de ================================= Handling and Storage Precautions: STORE IN A COOL, DRY, WELL-VENTILATED LOCATION. AWAY FROM ANY AREA WHERE THE 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. Respiratory Protection: IN HIGH VAPOR AREA, USE NIOSH/MSHA APPROVED **RESPIRATOR WITH ORGANIC VAPOR CARTRID** GE. USE SELF-CONTAINED BREATHING APPARATUS IF VAPOR LEVELS EXCEED 1000 PPM. Ventilation: LOCAL EXHAUST RECOMMENDED TO CONTROL VAPORS BELOW 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:161F,72C Vapor Pres:100 MM HG Vapor Density:4.5(AIR=1) Spec Gravity:1.3-1.324 Evaporation Rate & amp; Reference:2.6 (ETHLY ETHER=1) Appearance and Odor:HOMOGENEOUS SOLUTION THAT IS CLEAR. APHA COLOR 15 MAX.

Percent Volatiles by Volume:100

Stability Indicator/Materials to Avoid:YES
WATER, REACTIVE METALS SUCH AS ALUMINU;M AND MAGNESIUM.
Stability Condition to Avoid:OPEN FLAMES, WELDING ARCS, RESISTANCE HEATERS, ETC., WHICH CAN RESULT IN THERMAL DECOMPOSITION.
Hazardous Decomposition Products:WHEN INVOLVED IN FIRE, 1,1,1-TRICHLOROETHANE EMITS HIGHLY TOXIC AND IRRITATING HYDROGEN CHLORIDE AND PHOSGENE FUMES.

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

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