View NSN Online: https://aerobasegroup.com/nsn/6810-00-476-5613

VAN WATERS AND ROGERS INC SUB OF UNIVAR CORP -- CHLOROTHENE (R) SM SOLVENT -- 6810-00-476-5613

Product ID:CHLOROTHENE (R) SM SOLVENT MSDS Date:04/19/1991 FSC:6810 NIIN:00-476-5613 MSDS Number: BJPSX === Responsible Party === Company Name: VAN WATERS AND ROGERS INC SUB OF UNIVAR CORP Address:1600 NORTON BLDG. City:SEATTLE State:WA ZIP:98104-1564 Country:US Info Ph one Num:408-435-8700 Emergency Phone Num:800-424-9300 (CHEMTREC) CAGE:OAN91 === Contractor Identification === Company Name: VAN WATERS & ROGERS INC. SUB. OF UNIVAR Address:1600 NORTON BLDG. Box:City:SEATTLE State:WA ZIP:98104-1564 Country:US Phone:408-435-8700/800-424-9300(CHEMTREC) CAGE:6E838 Company Name: VAN WATERS AND ROGERS (408-435-8700) Address:2600 CAMPUS DR Box:5932 City:SAN MATEO Phone:415-573-8000 CAGE:OAN91 Company Name: VAN WATERS AND ROGERS INC SUB OF UNIVAR CORP Address:1600 NORTON B LDG Box:City:SEATLE State:WA ZIP:98104-1564 Country:US Phone: 509-545-8401, CHEMTREC 800-424-9300 CAGE:0HVJ3 Ingred Name: METHYL CHLOROFORM (1,1,1-TRICHLOROEHANE) (SARA III) CAS:71-55-6 RTECS #:KJ2975000 Fraction by Wt: 96.5% Other REC Limits:NONE SPECIFIED OSHA PEL:350 PPM/450 STEL ACGIH TLV:350 PPM/450STEL;9192 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS Ozone Depleting Chemical:1

SARA III) CAS:123-91-1 RTECS #:JG8225000 Fraction by Wt: 2.5% Other REC Limits:NONE SPECIFIED OSHA PEL:S, 100 PPM ACGIH TLV:S, 25 PPM; 9293 EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

Ingred Name:1,2-BUTYLENE OXIDE (SARA III) CAS:106-88-7 RTECS #:EK3675000 Fraction by Wt: 0.47% Other REC Limits:NONE SPECIFIED EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:NITROMETHANE CAS:75-52-5 RTECS #:PA9800000 Fraction by Wt: 0.34% Other REC Limits:NONE SPECIFIED OSHA PEL:100 PPM ACGIH TLV:100 PPM; 9192

Ingred Name:TERT-BUTYL ALCOHOL (SARA III) CAS:75-65-0 RTECS #:EO1925000 Fraction by Wt: TRACE Other REC Limits:NONE SPECIFIED OSHA PEL:100 PPM ACGIH TLV:100PPM 9394

Ingred Name:NITROMETHANE CAS:75-52-5 RTECS #:PA9800000 Fraction by Wt: TRACE Other REC Limits:NONE SPECIFIED OSHA PEL:100 PPM ACGIH TLV:100 PPM; 9192

LD50 LC50 Mixture:ORAL LD50 (RAT) = 10300 MG/KG (1,1,1-TRI Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Re ports of Carcinogenicity:NTP:YES IARC:YES OSHA: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. EXCESS EXP OSURE CAN LEAD TO BLOOD PRESSURE DEPRESSION, CARDIAC SENSITIZATION, AND VENTRICULAR ARRHYTHMIA. POSSIBLE LIVER EFFECTS. Explanation of Carcinogenicity:1,4 DIOXANE IS LISTED AS A POSSIBLE

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 ANESTETHIC EFFECTS MAY OCCUR IN RANGES OF 1000 PPM AND HIGHER. MAY CAUSE EYE CON JUNCTIVITIS. Medical Cond Aggravated by Exposure: LIVER AND HEART.

First Aid:INHALATION:REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING IS DIFFICUL

T, GIVE OXYGEN. CALL A PHYSICIAN. EYE:FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTE NTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER PROMPTLY. INGESTION:DO NOT INDUCE VOMITING. GIVE MILK OR USP MINERAL OIL. GET IMMEDIATE MEDICAL ATTENTION. AVOID ASPIRATION.

Flash Point Method:TCC Flash Point:NONE Lower Limits:7.5 Upper Limits:15.0 Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL AS APPROPRIATE FOR SURROUNDINGS. 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:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

Spill Release Procedures:SMALL SPILL: WI

PE 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 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 Prec

autions:DO NOT USE WITH ALUMINUM. BE SURE THAT NO ALUMINUM CONTAINERS, AEROSOLS, FITTINGS, ETC. ARE USED WITH THIS MATERIAL. AVOID BREATHING VAPOR. PRACTICE GOOD PERSONAL HYGIENE. READ AND FOLLOW DIRECTIONS O N LABEL. DO NOT REUSE CONTAINERS.

Respiratory Protection: IN HIGH VAPOR AREA, USE NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE SELF-CONTAINED BREATHING APPARATUS IF VAPOR LEVELS EXCEED 10

00 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. WEAR LONG-SLEEVED SHIRTS.

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

Supplemental Safety and He

alth

CONSIDER RUBBER BOOTS AS ADDITIONAL PROTECTION FOR LONG TERM WORK WITH THIS MATERIAL. DO NOT CUT, GRIND, WELD, OR DRILL ON OR NEAR THIS MATERIAL.

HCC:T4 Boiling Pt:B.P. Text:165F,74C Melt/Freeze Pt:M.P/F.P Text:-26F,-32C Vapor Pres:100 Vapor Density:4.6 Spec Gravity:1.32 Evaporation Rate & amp; Reference:>1 (N-BUTYL ACETATE=1) Solubility in Water:NEGLIGIBLE Appearance and Odor:COLORLESS LIQUID; IRRITATING ODOR A T HIGH CONCENTRATIONS Percent Volatiles by Volume:100

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ALKALIS, WATER, MOIST AIR, ALUMINUM, ZINC. DO NOT STORE MATERIAL IN ALUMINUM CONTAINERS.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OPEN FLAMES, WELDING ARCS.

Hazardous Decomposition Products:WHEN INVOLVED IN FIRE,

1,1,1-TRICHLOROETHANE EMITS HIGHLY TOXIC AND IRRITATING HYDROGEN

CHLORIDE AND PHOSGENE FUMES.

Waste Disposal Methods:DISPOSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS. UNUSED MATERIAL WILL BE A LAND-BANNED HAZARDOUS WASTE.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this desument should apple competent preferring device to verify and

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.