Valid 05/2002 - 07/2002 Fluka Chemie AG Postfach 260 CH-9471 Buchs Switzerland Tel: 081 755 25 11 Fax. 081 756 54 49 Night: 071 228 3600 MATERIAL SAFETY DATA SHEET SECTION 1. - - - - - - - CHEMICAL IDENTIFICATION- - - - -CATALOG #: 91340 2,4,6-TRICHLOROPHENOL NAME: SECTION 2. - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -CAS #: 88-06-2 MF: C6H3CL30 EC NO: 201-795-9 SYNONYMS COLLUNOSOL * DOWICIDE 2 * NCI-C61187 * PREVENTOL I * RCRA WASTE NUMBER U230 * TCP * 2,4,5-TRICHLOROPHENOL * SECTION 3. - - - - - - - - HAZARDS IDENTIFICATION - - - - -LABEL PRECAUTIONARY STATEMENTS HARMFUL DANGEROUS FOR THE ENVIRONMENT HARMFUL IF SWALLOWED. IRRITATING TO EYES AND SKIN. VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT. IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. WEAR SUITABLE PROTECTIVE CLOTHING. AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF POLYETHYLENE GLYCOL. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF AS HAZARDOUS WASTE. AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/ SAFETY DATA SHEETS. IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN. IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN. SECTION 5. - - - - - - - FIRE FIGHTING MEASURES - - - - - - - -EXTINGUISHING MEDIA WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM. SPECIAL FIREFIGHTING PROCEDURES WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES. UNUSUAL FIRE AND EXPLOSIONS HAZARDS EMITS TOXIC FUMES UNDER FIRE CONDITIONS. SECTION 6. - - - - - - - ACCIDENTAL RELEASE MEASURES- - - - - - -WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST.

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VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
    EVACUATE AREA.
SECTION 7. - - - - - - - HANDLING AND STORAGE- - - - - - - - -
    REFER TO SECTION 8.
SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -
    SAFETY SHOWER AND EYE BATH.
    MECHANICAL EXHAUST REQUIRED.
   DO NOT BREATHE DUST.
    AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
    AVOID PROLONGED OR REPEATED EXPOSURE.
   NIOSH/MSHA-APPROVED RESPIRATOR.
    COMPATIBLE CHEMICAL-RESISTANT GLOVES.
    CHEMICAL SAFETY GOGGLES.
   KEEP TIGHTLY CLOSED.
    STORE IN A COOL DRY PLACE.
    WASH THOROUGHLY AFTER HANDLING.
SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -
  APPEARANCE AND ODOR
    SOLTD.
  PHYSICAL PROPERTIES
    BOILING POINT:
                        248 C
   MELTING POINT:
                       67 - 69 C
                            271.40F
   FLASHPOINT
                            133C
SECTION 10. - - - - - - - STABILITY AND REACTIVITY - - - -
  STABILITY
    STABLE.
  INCOMPATIBILITIES
   OXIDIZING AGENTS
  HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
    CARBON MONOXIDE, CARBON DIOXIDE
   HYDROGEN CHLORIDE GAS
  HAZARDOUS POLYMERIZATION
   WILL NOT OCCUR.
SECTION 11. - - - - - - TOXICOLOGICAL INFORMATION - - -
  ACUTE EFFECTS
    CAUSES SKIN IRRITATION.
    MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
    CAUSES EYE IRRITATION.
    MAY BE HARMFUL IF INHALED.
   MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER
   RESPIRATORY TRACT.
   HARMFUL IF SWALLOWED.
   DEPENDING ON THE INTENSITY AND DURATION OF EXPOSURE, EFFECTS MAY
    VARY FROM MILD IRRITATION TO SEVERE DESTRUCTION OF TISSUE.
    EXPOSURE CAN CAUSE:
    DAMAGE TO THE LUNGS
    DAMAGE TO THE LIVER
    DAMAGE TO THE KIDNEYS
    DAMAGE TO THE EYES
  CHRONIC EFFECTS
   TARGET ORGAN(S):
   LUNGS
   LIVER
   KIDNEYS
   EYES
 RTECS #: SN1400000
    PHENOL, 2,4,5-TRICHLORO-
  TOXICITY DATA
                                                 FEPRA7 2,76,1943
    ORL-RAT LD50:820 MG/KG
    IPR-RAT LD50:355 MG/KG
                                                 BJPCAL 13,20,1958
    SCU-RAT LD50:2260 MG/KG
                                                 FEPRA7 2,76,1943
    ORL-MUS LD50:600 MG/KG
                                                 PHARAT 30,147,1975
    IVN-MUS LD50:56 MG/KG
                                                 CSLNX* NX#03492
    ORL-GPG LD50:1 GM/KG
                                                 FMCHA2 -,C310,1991
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UNR-MAM LD50:150 MG/KG 30ZDA9 -,102,1971 TARGET ORGAN DATA BEHAVIORAL (TREMOR) BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD) NUTRITIONAL AND GROSS METABOLIC (BODY TEMPERATURE INCREASE) ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION. SECTION 12. - - - - - - - - ECOLOGICAL INFORMATION - - - - - - -DATA NOT YET AVAILABLE. SECTION 13. - - - - - - - DISPOSAL CONSIDERATIONS - - - -CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. SECTION 14. - - - - - - - - TRANSPORT INFORMATION - - - - - - -CONTACT FLUKA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION. SECTION 15. - - - - - - REGULATORY INFORMATION - - - - - - - -EUROPEAN INFORMATION EC INDEX NO: 604-018-00-5 HARMFUL DANGEROUS FOR THE ENVIRONMENT R 22 HARMFUL IF SWALLOWED. R 36/38 IRRITATING TO EYES AND SKIN. R 50/53 VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT. S 26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. S 28 AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF POLYETHYLENE GLYCOL. S 60 THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF AS HAZARDOUS WASTE. S 61 AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/ SAFETY DATA SHEETS. REVIEWS, STANDARDS, AND REGULATIONS OEL=MAK IARC CANCER REVIEW:HUMAN LIMITED EVIDENCE IMEMDT 41,319,1986 IARC CANCER REVIEW: ANIMAL INADEQUATE EVIDENCE IMEMDT 20,349,1979 IARC CANCER REVIEW: ANIMAL INADEQUATE EVIDENCE IMEMDT 71,769,1999 EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION FEREAC 54,7740,1989 OEL-DENMARK: TWA 0.5 MG/M3, SKIN, JAN1999 NOHS 1974: HZD M1866; NIS 9; TNF 193; NOS 9; TNE 1272 NOES 1983: HZD M1866; NIS 11; TNF 184; NOS 9; TNE 895; TFE 27 EPA TSCA SECTION 8(B) CHEMICAL INVENTORY EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES ON EPA IRIS DATABASE EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001 U.S. INFORMATION THIS PRODUCT IS SUBJECT TO SARA SECTION 313 REPORTING REQUIREMENTS. SECTION 16. - - - - - - - - OTHER INFORMATION- - - - - - - - - -THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SIGMA, ALDRICH, FLUKA SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE. COPYRIGHT 2001 SIGMA-ALDRICH CO.

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