

Valid 05/2002 - 07/2002

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M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1. - - - - - CHEMICAL IDENTIFICATION- - - - -

CATALOG #: 91340
NAME: 2,4,6-TRICHLOROPHENOL

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 88-06-2
MF: C6H3CL3O
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.

SECTION 4. - - - - - FIRST-AID MEASURES- - - - -

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.

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

SOLID.

PHYSICAL PROPERTIES

BOILING POINT: 248 C
MELTING POINT: 67 - 69 C
FLASHPOINT 271.40F
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

ORL-RAT LD50:820 MG/KG

FEFRA7 2,76,1943

IPR-RAT LD50:355 MG/KG

BJPCAL 13,20,1958

SCU-RAT LD50:2260 MG/KG

FEFRA7 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

UNR-MAM LD50:150 MG/KG
TARGET ORGAN DATA

30ZDA9 -,102,1971

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
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