

MATERIAL SAFETY DATA SHEET



IBI SCIENTIFIC
9861 KAPP COURT
PEOSTA, IA 52068

EMERGENCY TELEPHONE NUMBER:
3E COMPANY (800) 451-8346
(001) 760-602-8703

TELEPHONE NUMBER FOR INFORMATION:
(800) 253-4942 OR (563) 690-0484
E-MAIL: INFO@IBISCI.COM

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

CATALOG#: IB02080
NAME: CHLORAMPHENICOL
CAS#: 56-75-7

SECTION 2. ----- HAZARDS IDENTIFICATION -----
LABEL PRECAUTIONARY STATEMENTS

TOXIC

SUSPECTED CARCINOGEN

POSSIBLE RISK OF HARM TO THE UNBORN CHILD.

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.

TARGET ORGAN(S):

BLOOD, BONE MARROW, LIVER

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE
IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

HMS: NFPA:

H: 3 H: 2

F: 1 F: 0

R: 0 R: 0

PE: I SH: N/A

SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

MF: C₁₁H₁₂Cl₂N₂O₅

EC NO: 200-287-4

SYNONYMS

ACETAMIDE, 2,2-DICHLORO-N-(BETA-HYDROXY-ALPHA-(HYDROXYMETHYL)-P-NITROPHENETHYL)- * ACETAMIDE, 2,2-DICHLORO-N-(2-HYDROXY-1-(HYDROXYMETHYL)-2-(4-NITROPHENYL)ETHYL)-, (R-(R*,R*))- * ALFICETYN * AMBOFEN * AMPHENICOL * AMPHICOL * AMSECLOR * ANACETIN * AQUAMYCETIN * AUSTRACOL * BIOCETIN * BIOPHENICOL * CAF (PHARMACEUTICAL) * CAM * CAP * CATILAN * CHEMICETIN * CHEMICETINA * CHLOMIN * CHLOMYCOL * CHLORAMEX * CHLORAMFENIKOL (CZECH) * CHLORAMPHENICOL * D-CHLORAMPHENICOL * D-THREO-CHLORAMPHENICOL * D-(-)-THREO-CHLORAMPHENICOL * CHLORAMSAAR * CHLORASOL * CHLORA-TABS * CHLORICOL * CHLORNITROMYCIN * CHLOROAMPHENICOL * CHLOROCAPS * CHLOROCID * CHLOROCIDE * CHLOROCIDIN C * CHLOROCIDIN C TETRAN * CHLOROCID S * CHLOROCOL * CHLOROJECT L * CHLOROMAX * CHLOROMYCETIN * CHLOROMYCETNY (POLISH) * CHLORONITRIN * CHLOROPTIC * CHLORO-25 VETAG * CHLOROVULES * CIDOCETINE * CIPLAMYCETIN * CLORAMFICIN * CLORAMICOL * CLORAMIDINA *

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

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

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-----

EVACUATE AREA.

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, BOOTS AND HEAVY 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.

SECTION 7. ----- HANDLING AND STORAGE-----

AVOID INHALATION.

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

LIGHT SENSITIVE

STORE IN A COOL DRY PLACE.

STORE AT +4°C.

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.

CHEMICAL FUME HOOD RECOMMENDED.

SAFETY SHOWER AND EYE BATH.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES-----

APPEARANCE

POWDER

SECTION 10. ----- STABILITY AND REACTIVITY-----

INCOMPATIBILITIES

LIGHT

ACIDS

ACID CHLORIDES

ACID ANHYDRIDES

OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
 CARBON MONOXIDE, CARBON DIOXIDE
 NITROGEN OXIDES
 HYDROGEN CHLORIDE GAS

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
 MAY CAUSE EYE OR SKIN IRRITATION.
 MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER
 RESPIRATORY TRACT.
 PROLONGED OR REPEATED EXPOSURE MAY CAUSE ALLERGIC REACTIONS IN CERTAIN
 SENSITIVE INDIVIDUALS.
 EXPOSURE CAN CAUSE:
 NAUSEA, HEADACHE AND VOMITING

CHRONIC EFFECTS

THIS PRODUCT IS OR CONTAINS A COMPONENT THAT HAS BEEN REPORTED TO BE
 PROBABLY CARCINOGENIC BASED ON ITS IARC, OSHA, ACGIH, NTP OR EPA
 CLASSIFICATION.
 POSSIBLE RISK OF CONGENITAL MALFORMATION IN THE FETUS.
 TARGET ORGAN(S):

- BLOOD
- BONE MARROW
- NERVES
- LIVER

RTECS #: AB6825000

ACETAMIDE,
 2,2-DICHLORO-N-(BETA-HYDROXY-ALPHA-(HYDROXYMETHYL)-P-NITROPHENETHYL)-,
 D-(-)-THREO-

TOXICITY DATA

ORL-WMN LDLO:400 MG/KG	JAMAAP 234,149,1975
IVN-INF LDLO:30 MG/KG/3D-I	JOPDAB 103,487,1983
UNR-INF LDLO:200 MG/KG/4D-I	LANCAO 1,555,1986
ORL-RAT LD50:2500 MG/KG	FRPSAX 10,3,1955
IPR-RAT LD50:1811 MG/KG	TXAPA9 18,185,1971
SCU-RAT LD50:5 GM/KG	TXAPA9 9,445,1966
IVN-RAT LD50:171 MG/KG	JCINAO 28,943,1949
ORL-MUS LD50:1500 MG/KG	ARZNAD 5,1,1955
IPR-MUS LD50:1100 MG/KG	DIPHAH 14,21,1962
SCU-MUS LD50:400 MG/KG	85ERAY 1,493,1978
IVN-MUS LD50:110 MG/KG	JCINAO 28,943,1949
IVN-RBT LD50:117 MG/KG	JCINAO 28,943,1949
ORL-GPG LD50:500 MG/KG	FRPSAX 10,3,1955
IVN-GPG LD50:560 MG/KG	FRPSAX 9,21,1954

TARGET ORGAN DATA

- BEHAVIORAL (SOMNOLENCE)
- BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD)
- BEHAVIORAL (ATAXIA)
- BEHAVIORAL (COMA)
- CARDIAC (CARDIAC OUTPUT)
- VASCULAR (BP LOWERING NOT CHARACTERIZED IN AUTONOMIC SECTION)
- VASCULAR (CHANGE IN PLASMA OR BLOOD VOLUME)
- VASCULAR (SHOCK)
- LUNGS, THORAX OR RESPIRATION (CYANOSIS)
- LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)

GASTROINTESTINAL (OTHER CHANGES)
LIVER (OTHER CHANGES)
BLOOD (HEMORRHAGE)
BLOOD (EOSINOPHILIA)
BLOOD (APLASTIC ANEMIA)
BLOOD (CHANGES IN BONE MARROW NOT INCLUDED IN ABOVE)
BLOOD (LEUKEMIA)
SKIN AND APPENDAGES (AFTER SYSTEMIC EXPOSURE: DERMATITIS, ALLERGIC)
EFFECTS ON FERTILITY (OTHER MEASURES OF FERTILITY)
EFFECTS ON EMBRYO OR FETUS (CYTOLOGICAL CHANGES)
EFFECTS ON EMBRYO OR FETUS (FETOTOXICITY)
EFFECTS ON EMBRYO OR FETUS (FETAL DEATH)
EFFECTS ON EMBRYO OR FETUS (OTHER EFFECTS TO EMBYRO OR FETUS)
SPECIFIC DEVELOPMENTAL ABNORMALITIES (CENTRAL NERVOUS SYSTEM)
SPECIFIC DEVELOPMENTAL ABNORMALITIES (BODY WALL)
EFFECTS ON NEWBORN (BEHAVIORAL)
NUTRITIONAL AND GROSS METABOLIC (BODY TEMPERATURE DECREASE)
TUMORIGENIC (CARCINOGENIC BY RTECS CRITERIA)
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

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. TRANSPORT INFORMATION

NOT REGULATED.

SECTION 15. REGULATORY INFORMATION

EUROPEAN INFORMATION

TOXIC

R: 45

MAY CAUSE CANCER

R: 23/24/25

TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.



Toxic (T)

R 60/61

MAY IMPAIR FERTILITY. MAY CAUSE HARM TO THE UNBORN CHILD.

R 42/43

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.

S 36/37/39

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

IARC CANCER REVIEW:HUMAN LIMITED EVIDENCE IMEMDT 10,85,1976

IARC CANCER REVIEW:HUMAN LIMITED EVIDENCE IMEMDT 50,169,1990

IARC CANCER REVIEW:ANIMAL INADEQUATE EVIDENCE IMEMDT 10,85,1976

IARC CANCER REVIEW:ANIMAL INADEQUATE EVIDENCE IMEMDT 50,169,1990

IARC CANCER REVIEW:GROUP 2A IMEMDT 50,169,1990

OEL-RUSSIA:STEL 1 MG/M3 JAN 1993

NOHS 1974: HZD 84396; NIS 1; TNF 165; NOS 6; TNE 11365

NOES 1983: HZD 84396; NIS 3; TNF 2358; NOS 19; TNE 35571; TFE 23544

EPA GENETOX PROGRAM 1988, POSITIVE: RODENT DOMINANT LETHAL

EPA GENETOX PROGRAM 1988, NEGATIVE: B SUBTILIS REC ASSAY; E COLI POLA
WITHOUT S9

EPA GENETOX PROGRAM 1988, NEGATIVE: E COLI POLA WITH S9; HISTIDINE
REVERSION-AMES TEST

EPA GENETOX PROGRAM 1988, NEGATIVE: TRP REVERSION

EPA GENETOX PROGRAM 1988, INCONCLUSIVE: CARCINOGENICITY-MOUSE/RAT; B
SUBTILIS REC ASSAY

EPA GENETOX PROGRAM 1988, INCONCLUSIVE: D MELANOGASTER
SEX-LINKED LETHAL

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

U.S. INFORMATION

CALIFORNIA PROPOSITION 65:

THIS PRODUCT IS OR CONTAINS CHEMICAL(S) KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE CANCER.

SECTION 16. ----- OTHER INFORMATION-----

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO
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