



chemists helping chemists in research & industry

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REC DOCK

DATE: 12/31/90  
CUST#: 938609  
PO#: 67237

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

PAGE 1

**IDENTIFICATION**

PRODUCT #: 85744-0  
CAS #: 56-75-7  
MF: C11H12CL2N2O5

NAME: CHLORAMPHENICOL, 98%

**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 \* AUSTRACIL \* AUSTRACOL \* BIO CETIN \* BIOPHENICOL \* CAF \* CAM \* CAP \* CATILAN \* CHEMICETIN \* CHEMICETINA \* CHLOMIN \* CHLOMYCOL \* CHLORAMEX \* CHLORAMFENIKOL (CZECH) \* CHLORAMFICIN \* CHLORAMFILIN \* CHLORAMPHENICOL \* D-CHLORAMPHENICOL \* D-THREO-CHLORAMPHENICOL \* D-(-)-THREO-CHLORAMPHENICOL \* CHLORAMSAAR \* CHLORASOL \* CHLORA-TABS \* CHLORICOL \* CHLORNITROMYCIN \* CHLOROAMPHENICOL \* CHLOROCAPS \* CHLOROCID \* CHLOROCIDE \* CHLOROCIDIN C \* CHLOROCIDIN C TETRA \* CHLOROCID S \* CHLOROCOL \* CHLOROJECT L \* CHLOROMAX \* CHLOROMYCETIN \* CHLOROMYCETNY (POLISH) \* CHLORONITRIN \* CHLOROPTIC \* CHLORO-25 VETAG \* CHLOROVULES \* CIDOCETINE \* CIPLAMYCETIN \* CLORAMFICIN \* CLORAMICOL \* CLORAMIDINA \* CLOROAMFENICOL (ITALIAN) \* CLOROCYN \* CLOROMISAN \* CLOROSINTEX \* COMYCETIN \* CPH \* CYLPHENICOL \* DESPHEN \* DETREOMYCINE \* DEXTROMYCETIN \* D-(-)-THREO-2-DICHLOROACETAMIDO-1-P-NITROPHENYL-1,3-PROPANEDIOL \* D-THREO-N-DICHLOROACETYL-1-P-NITROPHENYL-2-AMINO-1,3-PROPANEDIOL \* D-(-)-THREO-2,2-DICHLORO-N-(BETA-HYDROXY-ALPHA-(HYDROXYMETHYL))-P-NITROPHENETHYLACETAMIDE \* D-(-)-2,2-DICHLORO-N-(BETA-HYDROXY-ALPHA-(HYDROXYMETHYL))-P-NITROPHENYLETHYLACETAMIDE \* D-THREO-N-(1,1'-DIHYDROXY-1-P-NITROPHENYLISOPROPYL)DICHLOROACETAMIDE \* DOCTAMICINA \* ECONOCHLOR \* EMBACETIN \* EMETREN \* ENICOL \* ENTEROMYCETIN \* ERBAPLAST \* ERTILEN \* FARMICETINA \* FENICOL \* GLOBENICOL \* GLOUROX \* HALOMYCETIN \* HORTFENICOL \* I 337A \* INTRAMYCETIN \* ISICETIN \* ISMICETINA \* ISOPHENICOL \* ISOPTO FENICOL \* JUAMYCETIN \* KAMAVAR \* KEMICETINA \* KEMICETINE \* KLOKITA \* KLOKOCID S \* LEUKOMYAN \* LEUKOMYCIN \* LEVOMICETINA \* LEVOMYCETIN \* LOROMISAN \* LOROMISIN \* MASTIPHEN \* MEDIAMYCETINE \* MICLORETIN \* MICROCHLORINE \* MICROCLORINA \* MICROCECTINA \* MYCHEL \* MYCINOL \* NCI-C55709 \* D-(-)-THREO-1-P-NITROPHENYL-2-DICHLOROACETAMIDO-1,3-PROPANEDIOL \* D-THREO-1-(P-NITROPHENYL)-2-(DICHLOROACETYLAMINO)-1,3-PROPANEDIOL \* NORMIMYCIN V \* NOVOCHLOROCAP \* NOVOMYCETIN \* NOVOPHENICOL \* NSC 3069 \* OFTALON \* OLEOMYCETIN \* OPCLOR \* OPELOR \* OPHTHOCHLOR \* OPHTOCHLOR \* OTACHRON \* OTOPHEN \* PANTOVERNIL \* PARAXIN \* PENTAMYCETIN \* QUEMICETINA \* RIVOMYCIN \* ROMPHENIL \* SEPTICOL \* SIFICETINA \* SINTOMICETINA \* SINTOMICETINE R \* STANOMYCETIN \* SYNTHOMYCETIN \* SYNTHOMYCETINE \* SYNTHOMYCINE \* TEVCOCIN \* TEVCOSIN \* TIFOMYCIN \* TIFOMYCINE \* TREOMICETINA \* U-6062 \* UNIMYCETIN \* VETICOL \*

**TOXICITY HAZARDS**

RTECS NO: AB6825000

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

**TOXICITY DATA**

ORL-WMN LDLO:400 MG/KG

JMAAP 234,149,75

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NAME: CHLORAMPHENICOL, 98%

TOXICITY HAZARDS

IVN-INF LD50: 30 MG/KG/3D-I  
UNR-INF LD50: 200 MG/KG/4D-I  
ORL-RAT LD50: 2500 MG/KG  
IPR-RAT LD50: 1811 MG/KG  
SCU-RAT LD50: 5 GM/KG  
IVN-RAT LD50: 171 MG/KG  
ORL-MUS LD50: 1500 MG/KG  
IPR-MUS LD50: 1100 MG/KG  
SCU-MUS LD50: 400 MG/KG  
IVN-MUS LD50: 110 MG/KG  
IVN-RBT LD50: 117 MG/KG  
ORL-GPG LD50: 500 MG/KG  
IVN-GPG LD50: 560 MG/KG

JOPDAB 103,487,83  
LANCAO 1,555,86  
FRPSAX 10,3,55  
TXAPA9 18,185,71  
TXAPA9 9,445,66  
JCINAO 28,943,49  
ARZNAD 5,1,55  
DIPHAH 14,21,62  
85ERAY 1,493,78  
JCINAO 28,943,49  
JCINAO 28,943,49  
FRPSAX 10,3,55  
FRPSAX 9,21,54

REVIEWS, STANDARDS, AND REGULATIONS

IARC CANCER REVIEW: HUMAN LIMITED EVIDENCE IMEMDT 10,85,76  
IARC CANCER REVIEW: ANIMAL INADEQUATE EVIDENCE IMEMDT 10,85,76  
IARC CANCER REVIEW: GROUP 2B IMSUDL 7,145,87  
NOHS 1974: HZD 84396; NIS 1; TNF 165; NOS 6; TNE 11365  
DOES 1983: HZD 84396; NIS 3; TNF 2300; NOS 19; TNE 34241; TFE 22729  
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 CHEMICAL INVENTORY, JUNE 1990

TARGET ORGAN DATA

BEHAVIORAL (SOMNOLENCE)  
BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD)  
CARDIAC (CARDIAC OUTPUT)  
VASCULAR (BP LOWERING NOT CHARACTERIZED IN AUTONOMIC SECTION)  
VASCULAR (CHANGE IN PLASMA OR BLOOD VOLUME)  
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)

CONTINUED ON NEXT PAGE

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PAGE 3

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PRODUCT #: 85744-0

NAME: CHLORAMPHENICOL, 98%

CAS #: 56-75-7

MF: C11H12CL2N2O5

----- TOXICITY HAZARDS -----

EFFECTS ON EMBRYO OR FETUS (FETOTOXICITY)  
EFFECTS ON EMBRYO OR FETUS (FETAL DEATH)  
EFFECTS ON EMBRYO OR FETUS (OTHER EFFECTS TO EMBRYO 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.

----- HEALTH HAZARD DATA -----

ACUTE EFFECTS

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.  
MAY CAUSE EYE IRRITATION.  
MAY CAUSE SKIN IRRITATION.

CHRONIC EFFECTS

CARCINOGEN.  
MAY ALTER GENETIC MATERIAL.  
TARGET ORGAN(S):

BLOOD  
BONE MARROW

FIRST AID

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.

----- PHYSICAL DATA -----

MELTING PT: 148 C TO 150 C

APPEARANCE AND ODOR  
WHITE POWDER

----- FIRE AND EXPLOSION HAZARD DATA -----

EXTINGUISHING MEDIA

WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO

CONTINUED ON NEXT PAGE

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FIRE AND EXPLOSION HAZARD DATA

PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

REACTIVITY DATA

INCOMPATIBILITIES

ACIDS  
ACID CHLORIDES  
ACID ANHYDRIDES  
OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE  
NITROGEN OXIDES  
HYDROGEN CHLORIDE GAS

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

EVACUATE AREA.

WEAR SELF-CONTAINED BREATHING APPARATUS, 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.

WASTE DISPOSAL METHOD

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 LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

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

USE ONLY IN A CHEMICAL FUME HOOD.

SAFETY SHOWER AND EYE BATH.

AVOID INHALATION.

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

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

TOXIC.

CARCINOGEN.

MUTAGEN.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

CONTINUED ON NEXT PAGE

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