



MATERIAL SAFETY DATA SHEET

Section 1- Chemical Product and Company Identification

Product name: Ampicillin Trihydrate

Chemical family: Penicillin

Therapeutic use: Antibiotic agent

Company: Aurora Industry Co.,Ltd.

Address:Room 7033, No.9-1, Haifu Road, Dalian Free Trade Zone, China

Tel:0411-82288674

Section 2 - Composition, Information on Ingredients

PROPRIETARY: NO

INGREDIENT: AMPICILLIN TRIHYDRATE

CAS #: 7177-48-2

MF: C₁₆H₁₉N₃O₄S

SYNONYMS

AMCAP * AMCILL * AMINOBENZYL PENICILLIN TRIHYDRATE*

ALPHA-AMINOBENZYL PENICILLIN

TRIHYDRATE * AMPERIL * AMPICHEL * AMPICILLIN TRIHYDRATE *

AMPINOVA * AMPLIN * CYMBI *

DIVERCILLIN * LIFEAMPIL * MOREPEN * NCI-C56086 * PENSYN *

POLYCILLIN * RO-AMPEN *

TRAFARBIOT *

NIOSH (RTECS) NUMBER: 1009422ST

Section 3 - Hazards Identification

Target organs: eyes, skin, respiratory, gut, blood.

May cause eye irritation. Inhalation may cause allergic reaction. Oral administration may cause

allergic reactions including gastrointestinal tract upset, skin rashes, blood disorders, asthmatic-like symptoms.

Chronic: unknown.

Section 4 - First-Aid Measures

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.

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

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.

Section 7 - Handling and Storage

NEUTRALIZING AGENT: NOT RELEVANT

WASTE DISPOSAL METHOD: RECOVER OR RECYCLE IF POSSIBLE.

DISPOSAL SHOULD BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. RECOMMENDED PROCEDURE IS BY LANDFILL.

PRECAUTIONS-HANDLING/STORING: STORE IN COOL, DRY PLACE AWAY FROM INCOMPATIBLE MATERIALS. KEEP OUT OF REACH OF CHILDREN.

OTHER PRECAUTIONS: AS A GENERAL RULE, WHEN HANDLING PHARMACEUTICAL PRODUCTS, AVOID ALL FORMS OF CONTACT AND INHALATION OF DUST, FUMES, MISTS, AND/OR VAPORS ASSOCIATED WITH THE PRODUCT. GROUND ALL EQUIPMENTS.

Section 8 -Exposure Controls/Personal Protection

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.

DO NOT BREATHE DUST.

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

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.



KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.

Section 9 -Physical and Chemical Properties

APPERANCE AND ADOR: A WHITE OR ALMOST WHITE CRYSTALLINE
POWDER
SOLUBILITY: SLIGHTLY SOLUBLE IN WATER

Section 10 -Stability and Reactivity

INCOMPATIBILITIES STRONG OXIDIZING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
NITROGEN OXIDES
SULFUR OXIDES

Section 11-Toxicological Information

ACUTE EFFECTS
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE EYE IRRITATION.
MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
MAY CAUSE ALLERGIC REACTION.
TARGET ORGAN (S):
BLOOD
CHRONIC EFFECTS
THIS PRODUCT IS OR CONTAINS A COMPONENT THAT IS NOT
CLASSIFIABLE AS TO ITS CARCINOGENICITY BASED ON ITS IARC, ACGIH,
NTP OR EPA CLASSIFICATION.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY
INVESTIGATED.

Section 12 - Ecological Information

ECOTOXICITY: NO DATA AVAILABLE. NO INFORMATION AVAILABLE.
ENVIRONMENTAL: NO DATA AVAILABLE.
PHYSICAL: NO DATA AVAILABLE.
OTHER: NONE.



Section 13 - Disposal Considerations

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
OBSERVE ALL NATIONAL, STATE & LOCAL ENVIRONMENTAL REGULATIONS.

Section 14 - Transport Information

IMO/IMDG:NON-HAZARDOUS FOR SEA TRANSPORT:NON-HAZARDOUS FOR SEA TRANSPORT.
NOT APPLICABLE

Section 15 - Regulatory Information

EUROPEAN INFORMATION
CAUTION: SUBSTANCE NOT YET FULLY TESTED.
HARMFUL
R 42/43
MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.
S 36
WEAR SUITABLE PROTECTIVE CLOTHING.
S 22
DO NOT BREATHE DUST.
REVIEWS, STANDARDS, AND REGULATIONS
OEL=MAK
IARC CANCER REVIEW:ANIMAL LIMITED EVIDENCE IMEMDT 50,153,1990
IARC CANCER REVIEW:HUMAN INADEQUATE EVIDENCE IMEMDT 50,153,1990
IARC CANCER REVIEW:GROUP 3 IMEMDT 50,153,1990
NOHS 1974: HZD 81708; NIS 3; TNF 2339; NOS 4; TNE 5081
NOES 1983: HZD 81708; NIS 4; TNF 861; NOS 13; TNE 13014; TFE 7415
NTP CARCINOGENESIS STUDIES (GAVAGE);EQUIVOCAL EVIDENCE:RAT
NTPTR* NTP-TR-318,1987
NTP CARCINOGENESIS STUDIES (GAVAGE);NO EVIDENCE:MOUSE
NTPTR* NTP-TR-318,1987

Section 16 -Additional Information

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WARNING: THERE ARE REPORTS OF SERIOUS AND SOMETIMES FATAL HYPERSENSITIVITY (ANAPHYLACTIC) REACTIONS OCCURRING IN PEOPLE RECEIVING PENCILLIN THERAPY BY THE PARENTERAL ROUTE ALTHOUGH IT HAS ALSO OCCURRED VIA ORAL ADMINISTRATION.
THESE REACTIONS USUALLY OCCUR IN INDIVIDUALS WHO HAVE A



HISTORY OF SENSITIVITY TO MULTIPLE ALLERGENS, ASTHMA, HAY FEVER OR URTICARIA. INGESTION HAS RESULTED IN NAUSEA, VOMITING, DIARRHEA, GLOSSITIS, STOMATITIS, ENTEROCOLITIS, PSEUDOMEMBRANOUS COLITIS. HYPERSENSITIVITY REACTIONS: ERYTHEMATOUS MACULOPAPULAR RASHES, ERYTHEMA MULTIFORME, URTICARIA AND EXFOLIATIVE DERMATITIS.

RTECS #: XH8425000

4-THIA-1-AZABICYCLO (3.2.0) HEPTANE-2-CARBOXYLIC ACID, 6-(2-AMINO-2-PHENYLACETAMIDO)-3,3-DIMETHYL-7-OXO-, TRIHYDRATE, D- (-)-TOXICITY DATA

ORL-RAT LD50:10 GM/KG ANTBAL 20,653,1975

ORL-MUS LD50:15200 MG/KG ANTBAL 20,653,1975

TARGET ORGAN DATA

EFFECTS ON EMBRYO OR FETUS (FETOTOXICITY) ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.