

## MATERIAL SAFETY DATA SHEET



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

CATALOG#: IB02040  
NAME: AMPICILLIN, SODIUM SALT  
CAS #: 69-52-3

**SECTION 2. ----- HAZARDS IDENTIFICATION -----**

LABEL PRECAUTIONARY STATEMENTS

IRRITANT

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

SENSITIZER

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.

TARGET ORGANS:

BLOOD

DO NOT BREATHE VAPOR SPRAY.

WEAR SUITABLE PROTECTIVE CLOTHING.

HMIS:      NFPA:

H: 3      H: 3

F: 1      F: 0

R: 1      R: 1

PE: I      SH: N/A

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

MF: C<sub>16</sub>H<sub>18</sub>N<sub>3</sub>NaO<sub>4</sub>S

MW: 371.39

EC NO: 200-708-1

SYNONYMS

ALPEN-N \* AMCILL-S \* D(-)-ALPHA-AMINOBENZYL PENICILLIN SODIUM SALT \*

AMPICILLIN SODIUM \* AMPICILLIN SODIUM SALT \* BINOTAL SODIUM \*

CITTERAL \* DOMICILLIN \* OMNIPEN-N \* PEN A/N \* PENBRITIN-S \* PENIALMEN

\* POLYCILLIN-N \* PRINCIPEN/N \* SODIUM D(-)-ALPHA-

AMINOBENZYL PENICILLIN \* SODIUM AMPICILLIN \* SODIUM BINOTAL \* SODIUM

P-50 \*

**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 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 - - - - -**

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.  
HYGROSCOPIC  
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.  
USE ONLY IN A CHEMICAL FUME HOOD.  
SAFETY SHOWER AND EYE BATH.

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

APPEARANCE  
POWDER  
PHYSICAL PROPERTIES  
MELTING POINT: 205°C (DEC)

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

INCOMPATIBILITIES  
STRONG OXIDIZING AGENTS  
MOISTURE  
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.

CAUSES EYE AND SKIN IRRITATION.

MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. PROLONGED OR REPEATED EXPOSURE MAY CAUSE ALLERGIC REACTIONS IN CERTAIN SENSITIVE INDIVIDUALS.

**CHRONIC EFFECTS**

TARGET ORGANS:

BLOOD

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

**ADDITIONAL INFORMATION**

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 #: XH8400000

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

**TOXICITY DATA**

ORL-RAT LD50:>5314 MG/KG	BJPCAL 18,356,1962
IPR-RAT LD50:7400 MG/KG	TXAPA9 18,185,1971

**TARGET ORGAN DATA**

GASTROINTESTINAL (HYPERMOTILITY, DIARRHEA)

GASTROINTESTINAL (OTHER CHANGES)

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

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.



*Irritant (Xi)*

R: 36/37/38

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.

R 42/43

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

S: 36/37/39

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

NOES 1983: HZD X3564; NIS 2; TNF 549; NOS 8; TNE 23006; TFE 18439

**SECTION 16. .... OTHER INFORMATION .....**

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