

MATERIAL SAFETY DATA SHEET

ANATRACE, INC.
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Chemical Emergency (24-hr):
- Within U.S. & Canada (800-424-9300)
- International (703-527-3887)

Effective Date: Revised:

NAME: AMPICILLIN, SODIUM SALT **CAT. #:** A1000
MF: C₁₆H₁₈N₃NaO₄S / **FW:** 371.39 **CAS NO:** 69-52-3

CHIP R & S Phrases

Ampicillin Sodium Salt 69-52-3 98% --- R:36/37/38 Irritating to eyes, respiratory system and skin
R:42/43 May cause sensitization by inhalation and skin contact. S:22 Do not breathe dust.
S:36/37 Wear suitable protective clothing and gloves

HAZARDS IDENTIFICATION: **CHIP:** Irritant. **HCS:** Irritant

FIRST-AID MEASURES EYES: Flush with water for 15 minutes. Seek medical advice if irritation persists.

SKIN: Flush with water, then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.

INHALATION: Remove the victim from exposure and move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Seek immediate medical attention.

INGESTION: Drink water and seek immediate medical attention. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

FIRE-FIGHTING INFORMATION Use media suitable to extinguish the supporting or surrounding fire. Wear NIOSH (or equivalent) approved self contained breathing apparatus. For small fires only: use carbon dioxide, dry powder or foam. Emits toxic fumes of carbon oxides, nitrogen oxides and sulfur oxides under conditions of fire.

Flash Point = No data available.

ACCIDENTAL RELEASE MEASURES Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved dust mask. Collect in a manner that does not create dust and place in a suitable waste container. Avoid contact of material with skin or eyes. Use adequate ventilation.

HANDLING AND STORAGE Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved dust mask. Avoid contact of material with skin or eyes. Use adequate ventilation. Store ambient.

PERSONAL PROTECTION Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved dust mask. A qualified industrial hygienist should evaluate the need for respiratory protection. Use respiratory protection approved by NIOSH (or equivalent) and appropriate to the hazard. Avoid contact of material with skin or eyes. Mechanical ventilation or local exhaust as needed to control exposure to dust, vapors or mists. Access to a safety shower and eye-wash.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White crystalline substance Boiling Point: No data available

Vapor Pressure: No data available Vapor Density: No data available

Solubility (Water): Soluble Specific Gravity: No data available

Percent Volatile: No data available Evaporation Rate: No data available

Chemical formula: C₁₆H₁₈N₃O₄S·Na Melting Point: 195-203°C (dec.)

STABILITY AND REACTIVITY Product is stable. Incompatible with strong oxidizing agents. This product decomposes to carbon monoxide, nitrogen oxides and sulfur oxides.

TOXICOLOGICAL INFORMATION EFFECTS OF OVEREXPOSURE:

EYES: Contact may cause irritation.

SKIN: Contact may cause irritation, dermatitis and hypersensitive individuals may experience an allergic reaction.

INHALATION: May cause irritation, and hypersensitive individuals may experience an allergic reaction.

INGESTION: Chronic ingestion or excessive dosage may cause allergic reaction, central nervous system disorders, seizures, kidney damage, gastrointestinal disorders and possibly death. Persons allergic to penicillin should not be allowed to contact Ampicillin Trihydrate.

ADDITIONAL INFORMATION:

Toxicity data listed in RTECS under XH8400000.

Oral Rat LD50 = >5314 gm/kg (London, UK - 1962) Toxic effects include tremors, convulsions, gastrointestinal hypermotility and diarrhea.

Carcinogenicity data:

IARC Cancer Review: Animal - Limited Evidence (1990).

Human -Inadequate Evidence (1990).

Group 3 - Agent is not classifiable as to its carcinogenicity to humans (1990).

Definitions:

IARC = International Agency for Research on Cancer.

RTECS = Registry of Toxic Effects of Chemical Substance s.

ECOLOGICAL INFORMATION No information available

DISPOSAL CONSIDERATIONS Dispose of material in accordance with applicable local, state, and federal regulations.

TRANSPORTATION INFORMATION US DOT / IATA: No applicable information.

REGULATORY INFORMATION RCRA - No applicable information.

SARA 302 - No applicable information.

SARA 313 - No applicable information.

EPA TSCA Section 8(b) - No applicable information.

Exposure Limits - Not established.

California Proposition 65 - No applicable information.

This bulletin is for your guidance and is based upon information and tests believed to be reliable. Anatrace makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages thereto. The date is offered solely for your consideration, investigation, and verification. These suggestions should not be confused with either state, municipal, or insurance requirements, or with national safety codes, and constitute no warranty. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State and local regulations.