

**AERCHEM INC.**  
**320 North Walnut**  
**Bloomington,IN 47408**

**Telephone: 812.334.9996**

**Fax: 812.334.1960**

**Emergency: 800.424.9300**

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**SECTION 1: IDENTIFICATION**

**Effective Date:** 5/26/93

**Product Name:** **CARBENICILLIN**

**Synonyms:** Anabactyl; BRL-2064; Carbapen; Carbecin; Carbenicillin Disodium; Carbenicillin disodium salt; carbnicilline disodium; carbenicillin sodium; carboxybenzylpencicillin sodium; CBPC; CP-15-639-2; Disodium carbenicillin; Disodium alpha-carboxybenzylpenicillin; Fugacillin; Geopen; Gripenin; Hyoper; Microcillin; NSC-111071; Piopen; Pyocianil; Pyopen; Pyopene; Sodium carbenicillin

**CAS No.:** 4800-94-6

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**SECTION 2: TOXCITY HAZARDS**

**RTECS No.:** ON9105000

Malonic acid, N-(2-carboxy-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo (3.2.0) hept-6-yl)-2-phenyl-, disodium salt

**Toxicity Data:**

ORL-RAT LD50:>10 G/KG	NIIRDN 6,187,82
IPR-RAT LD50:10 G/KG	NIIRDN 6,187,82
SCU-RAT LD50:>10 G/KG	NIIRDN 6,187,82
IVN-RAT LD50:6800 MG/KG	NIIRDN 6,187,82
ORL-MUS LD50:>12 G/KG	NKRZAZ 23,572,75
IPR-MUS LD50:7600 MG/KG	NIIRDN 6,187,82
SCU-MUS LD50:9 G/KG	NIIRDN 6,187,82
IVN-MUS LD50:4500 MG/KG	NKRZAZ 23,572,75
ICE-MUS LD50:95500 UG/KG	NKRZAZ 17,1111,69
IVN-MKY LD50:9800 MG/KG	TAKHAA 34,405,75

**Reviews, Standards, and Regulations:**

NOES 1983: HZD X3871; NIS 1; TNF 385; NOS 5; TNE 13162; TFE 8667

Only selected registry of toxic effects of chemical substances (RTEC) data is presented here. See actual entry in RTECS for complete information.

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**SECTION 3: HEALTH HAZARD DATA**

**Acute Effects:**

May be harmful by inhalation, ingestion, or skin absorption  
May cause allergic reaction.  
The toxicological properties have not been thoroughly investigated.

**First Aid:**

If swallowed, wash out mouth with water provided person is conscious.  
Call a physician.  
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.  
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.  
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

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**SECTION 4: PHYSICAL DATA**

**Solubility:** ethanol-soluble; water-soluble; ether-insoluble

**Appearance and odor:** white, odorless, powder with bitter taste

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**SECTION 5: FIRE AND EXPLOSION HAZARD DATA**

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**Extinguishing Media:** 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 Explosion Hazards:** Emits toxic fumes under fire conditions.

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**SECTION 6: REACTIVITY DATA**

**Stability:** Stable.

**Hazardous Combustion or Decomposition Products:** Toxic fumes of: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides, sulfur oxides

**Hazardous Polymerization:** Will not occur.

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**SECTION 7: SPILL OR LEAK PROCEDURES**

**Steps To Be Taken if Material is Released or Spilled:**

Wear protective equipment.

Sweep up, place in a bag and hold for waste disposal.

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**

NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles. Mechanical exhaust

**Label Precautionary Statements:**

Harmful

May cause sensitization by inhalation and skin contact.

Wear suitable clothing.

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. AerChem, Inc./AerBio Ltd. Shall not be held liable for any damage resulting from handling or from contact with the above product.