



IBI SCIENTIFIC

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Rev. 3

1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND THE COMPANY/UNDERTAKING

Product Name: Carbenicillin, Disodium Salt
Product Code: IB02010, IB02020, & IB02025
Recommend Use: For further manufacturing use only
Not for human or animal drug use
Antibiotic/Antimycotic for cell culture
Synonyms: ANABACTYL * BRL-2064 * CARBAPEN * CARBECIN * CARBENICILLIN
DISODIUM SALT * CARBOXYBENZYL PENICILLIN SODIUM * CBPC * CP-15-
639-2 * DISODIUM CARBENICILLIN * DISODIUM ALPHA-
CARBOXYBENZYL PENICILLIN * FUGACILLIN * GEOPEN * GRIPENIN *
HYOPER * MICROCILLIN * NSC-111071 * PIOPEN * PYOCIANIL * PYOPEN *
PYOPENE * SODIUM CARBENICILLIN *
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2. HAZARDOUS IDENTIFICATION

GHS – Classification

Classification: Skin Sensitizer 1B Respiratory Sensitizer 1B
Signal Word: Warning



Hazard Statements: H317-May cause an allergic skin reaction * H334-May cause allergy or asthma symptoms or breathing difficulties if inhaled..

Precautionary Statements: P280-Wear protective gloves/protective clothing/eye protection/face protection *
P302+P352-IF ON SKIN: Wash with plenty of soap and water * P304+P340-IF
INHALED: Remove victim to fresh air and keep at rest in a position comfortable for
breathing * P305+P351+P338-IF IN EYES: Rinse cautiously with water for several
minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Carbenicillin, Disodium Salt
EC No.: EEC No. 225-360-8
REACH Reg. No.: Not Available
CAS No.: 4800-94-6
Weight %: 95 – 100
Classification: R43

4. FIRST AID MEASURES

General Advice: Consult a physician.
Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact: Wash off immediately with soap and plenty of water, removing all contaminated clothes and shoes.
Inhalation: Move to fresh air.. If breathing is difficult, give oxygen.
Ingestion: Clean mouth with water and afterwards drink plenty of water.
Notes to Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable Properties: Not flammable
Flash Point: Not determined
Suitable Extinguishing Media: Dry chemical, CO₂, water spray, alcohol resistant foam
Hazardous Combustion Products: Carbon oxides, Nitrogen oxides (NO_x), Sulfur oxides.
Explosion Data
Sensitivity to Mechanical Impact: Not sensitive
Sensitivity to Static Discharge: Not sensitive
Protective Equip. & Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equiv.) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes, and clothing. Avoid dust formation. Ensure adequate ventilation.
Methods for Containment: Prevent further leakage or spillage, if safe to do so.
Methods for Cleaning Up: Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practice. Moisture sensitive. Light Sensitive.
Storage: Keep container tightly closed in a dry, cool, and well-ventilated place. Protect from light. Hygroscopic.
Incompatible Products: Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: Carbenicillin, Disodium Salt - #4800-94-6
ACGIH TLV: -
OSHA PEL: -
NIOSH IDLH: -

MATERIAL SAFETY DATA SHEET
IB02010, IB02020, & IB02025 – CARBENICILLIN, DISODIUM SALT

Engineering Measures: Showers, Eyewash Stations, Ventilation Systems

Personal Protective Equipment

Eye/Face Protection: Tight fitting safety goggles.
Skin & Body Protection: Wear protective gloves/clothing.
Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to almost white
Odor: No information available
Odor Threshold: No information available
Decomposition Temp. °C: No information available
Freezing Point: No information available
Initial Boiling Point: No information available
Physical State: Amorphous powder
pH: No data available
Flash Point: Not determined
Autoignition Temp. °C: No data available
Boiling Point/Range: No data available
Melting Point/Range: No data available
Flammability Limits (Air): Upper-No data available * Lower-No data available
Explosion Limits No information available
Explosive Properties: No information available
Oxidizing Properties: No information available
Evaporation Rate: No information available
MMHG @ 37.8°C: No data available
Vapor Density: No data available
Specific Gravity: No data available
Solubility: No information available
Partition Coefficient (n-octanol/water): No data available
Viscosity: No information available

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions
Incompatible Products: Strong oxidizing agents
Conditions to Avoid: Protect from light and moisture.
Hazardous Decomposition Products: Carbon oxides, Nitrogen oxides (NO_x), Sulfur oxides.
Hazardous Polymerization: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information: Sensitizer.
Chemical Name: Carbenicillin, Disodium Salt - #4800-94-6
LD50 Oral: 10g/kg (Rat)
LD50 Dermal: -
LC50 Inhalation: -

Chronic Toxicity

Chronic Toxicity: No known effect based on information supplied.
Target Organ Effects: None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity: The environmental impact of this product has not been fully investigated

13. DISPOSAL CONSIDERATIONS

Water Disposal Method: Dispose of material in accordance with all federal, state, and local regulations.
Contaminated Packaging: Dispose of in accordance with all federal, state, and local regulations.

14. TRANSPORT INFORMATION

IATA

Not regulated

US DOT

Not regulated

15. TOXICOLOGICAL INFORMATION

REACH Title VII Restrictions

Chemical Name:	No information available
Dangerous Substances:	Carbenicillin, Disodium Salt - #4800-94-6
Organic Solvents:	Not applicable
Harmful Substances Whose Names are to be indicated on the Label:	Not applicable
Pollution Release and Transfer Registry (Class II):	Not applicable
Pollution Release and Transfer Registry (Class I):	Not applicable
Poison and Deleterious Substances Control Law:	Not applicable
ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying:	Not applicable
ISHA – Harmful Substances Requiring Permission:	Not applicable
Toxic Chemical Classification Listing (TCCL):	Not applicable
Toxic Release Inventory (TRI) – Group I:	Not applicable
Toxic Release Inventory (TRI) – Group II:	Not applicable

International Inventories

TSCA:	Does not comply
EINECS/ELINCS:	Complies
ENCS:	Complies
IECSC:	Does not comply
KECL	Complies
PICCS	Does not comply
AICS	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical/chemicals which are subject to the reporting requirements of the Act & Title 40 of the Code of Federal Regulations, part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

MATERIAL SAFETY DATA SHEET
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Clean Water Act This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CERCLA

U.S. State Regulations
California Proposition 65

This product does not contain any Proposition 65 chemicals.

International Regulations
Mexico

No information available

Canada No information available

WHMIS Hazard Class
D2A – Very toxic materials
D2B – Toxic materials



16. OTHER INFORMATION

Issuing Date: 17-Feb-1998

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Revision Note: Update to GHS Standard

Recommended Restrictions: No information available

Disclaimer: The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release; and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the test.

End of MSDS