

NFPA	Personal Protective Equipment	Transport Symbol
		Not regulated

Preparation Date 01-Dec-2008

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Penicillin 100
Product Code 10060
Synonyms Pen-100, Penicillin G Procaine

Contact Manufacturer
 Alpha Pharma Inc.
 400 Crossing Blvd.
 Bridgewater, NJ 08807
 Phone: 908-429-6000

Supplier
 Alpha Pharma Inc.
 400 Crossing Blvd.
 Bridgewater, NJ 08807
 Phone: 908-429-6000

Emergency Telephone Numbers 1-800-424-9300 (Chemtrec)
 703-527-3887 (International)

2. HAZARDS IDENTIFICATION

Emergency Overview:

WARNING. May be harmful by inhalation, in contact with skin and if swallowed. Possible allergic reaction to material if inhaled, ingested or in contact with skin. Danger of dust explosion.

Physical State: Powder

Odor: Characteristic

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects:

Principle Routes of Exposure Skin contact, Eye contact, Inhalation, Ingestion.

Acute Toxicity

Eyes
Skin

Contact with eyes may cause irritation.
 May be harmful in contact with skin. May cause skin irritation. May cause sensitization by skin contact.

Inhalation

May be harmful if inhaled. May cause irritation of respiratory tract. May cause allergic respiratory reaction.

Ingestion

May be harmful if swallowed.

Chronic Effects

May cause sensitization by inhalation and skin contact.

See Section 11 for additional Toxicological information.

Main symptoms	Severe allergic skin reactions, bronchospasm and anaphylactic shock.
Aggravated Medical Conditions	Allergies. Kidney disorders. Bleeding disorders.
Interactions With Other Chemicals	Cross-sensitivity reactions may occur with persons sensitive to other penicillins or to cephalosporins or cephamycins.
Environmental Hazard	There is no known ecological information for this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

Component(s)	CAS-No	Weight %
Procaine Penicillin	6130-64-9	100

4. FIRST AID MEASURES

General Advice	Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call a physician.
Inhalation	Immediate medical attention is required. Move to fresh air. If breathing is difficult, give oxygen.
Ingestion	Immediate medical attention is required. Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.
Notes to Physician	Use of epinephrine may be indicated.
Protection of first-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

5. FIRE-FIGHTING MEASURES

Flammable Properties	The product is combustible, but not flammable. Danger of dust explosion.
Suitable Extinguishing Media	Carbon dioxide (CO ₂). Water. Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Specific Hazards Arising from the Chemical	Keep product and empty container away from heat and sources of ignition. Danger of dust explosion. Decomposes in a fire giving off toxic fumes.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH approved (or equivalent) and full protective gear.

NFPA

Health Hazard 2

Flammability 1

Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear respiratory protection. Avoid contact with skin, eyes and clothing. Take precautionary measures against static discharges.
Environmental Precautions	Prevent further leakage or spillage if safe to do so.
Methods for Containment	Avoid dust formation.
Methods for Clean-Up	Take precautionary measures against static discharges. Avoid dust formation. Clean up promptly by sweeping or vacuum. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.
Other Information	Not applicable.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not breathe vapors/dust. Avoid dust formation.
Storage	Keep container tightly closed in a dry and well-ventilated place. Keep at temperatures below 25°C. Keep in properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component(s)	ACGIH TLV	OSHA PEL
Procaine Penicillin	3 mg/m ³ (respirable) 10 mg/mg (total dust) PNOC	5 mg/m ³ (respirable) 15 mg/mg (total dust) PNOR

Engineering Controls: Use only in area provided with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Personal Protective Equipment

Eye/Face Protection:	Tightly fitting safety goggles.
Skin Protection:	Impervious clothing. Protective gloves.
Respiratory Protection:	Use high efficiency particulate respirator with appropriate filter. 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.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Tan
Odor:	Characteristic
Physical State:	Powder
Water Solubility:	0.7g / 100mL

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Avoid dust formation. Heat, flames and sparks.
Incompatible Materials:	Strong oxidizing agents. Acids. Bases.
Hazardous Decomposition Products:	Decomposes in a fire giving off toxic fumes, Nitrogen oxides (NO _x), Sulfur oxides.
Hazardous Reactions:	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD50 Oral: mouse > 2000 mg/kg

Component Information

Chronic Toxicity

Carcinogenicity	Contains no ingredient listed as a carcinogen.
Irritation	May cause eye/skin irritation. May cause irritation of respiratory tract.
Corrosivity	Not applicable.
Sensitization	May cause sensitization by inhalation and skin contact.
Neurological Effects	No information available
Mutagenic Effects	Did not show mutagenic effects in animal studies.
Reproductive Toxicity	No information available
Developmental Toxicity	No information available
Target Organ Effects	Immune System, Respiratory System, Skin, Kidney.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Should not be released into the environment.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with National, State and Local regulations.

Contaminated Packaging Dispose of in accordance with National, State and Local regulations.

14. TRANSPORT INFORMATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

15. REGULATORY INFORMATION

All of the components in the product are on the following inventory lists: Australia (AICS), FDA Exemption - not on TSCA Inventory.

International Inventories

Component(s)	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
Procaine Penicillin	-	-	-	-	-	-	-	-	-	X

TSCA	Not Listed
DSL	Not Listed
NDSL	Not Listed
EINECS	Not Listed
ELINCS	Not Listed
ENCS	Not Listed
CHINA	Not Listed
KECL	Not Listed
PICCS	Not Listed
AICS	Listed

USA - Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains no chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categories

Acute Health Hazard

Yes

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

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

None

U.S. - State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals: None

State Right-to-Know

none

Canada**WHMIS Hazard Class**

D2A Very toxic materials

16. OTHER INFORMATION

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

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Disclaimer

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End of MSDS