

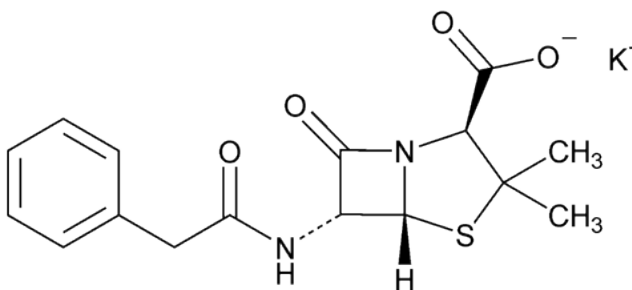
## 1. PRODUCT AND COMPANY INFORMATION

**Distributed By:** WG Critical Care, LLC.  
120 Route 17 North  
Suite 115  
Paramus, NJ 07652 USA

**Product Name:** **Penicillin G Potassium for Injection, USP**

**Active Ingredient/Primary Component:** Penicillin G Potassium For Injection

**Structure:**



**Chemical Name:** [Benzylpenicillin Potassium is BAN and JAN.] (1) 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(phenylacetyl)amino]-, monopotassium salt, [2*S*-(2 $\alpha$ ,5 $\alpha$ ,6 $\beta$ )]-; (2) Monopotassium (2*S*,5*R*,6*R*)-3,3-dimethyl-7-oxo-6-(2-phenylacetamido)-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate

**Molecular Formula:**

$C_{16}H_{17}KN_2O_4S$

**UNII Code:**

UNII-VL775ZTH4C; UNII-Q42T66VGOC

**CAS Number:**

113-98-4

**Chemical Family:**

Antibacterial

**Product Use:**

Pharmaceutical

**Product Type:**

Prescription Drug

**Container Information:** Vials

**Customer Service Phone Number:** +1-888-493-0861

**Emergency Phone Number:** +1-866-562-4708 (Prosar)

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## 2. HAZARDS IDENTIFICATION

### PRIMARY PHYSICAL AND HEALTH

#### HAZARDS:

#### ROUTES OF ENTRY:

Penicillin G Potassium for Injection, USP is intended for intramuscular or intravenous injection .

#### SIGNS & SYMPTOMS OF

#### EXPOSURE:

#### CHEMICAL LISTED AS

#### CARCINOGEN:

NTP: NO

IARC: NO

OSHA: NO

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Weight %</u>	<u>CAS No.</u>
Penicillin G Potassium	95.5	113-98-4
Sodium Citrate (Buffer)	4.5	6132-04-3

## 4. FIRST AID MEASURES

#### EYE EXPOSURE:

May cause mild eye irritation.

#### SKIN EXPOSURE:

May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

#### INGESTION:

Ingestion of large amounts may cause gastrointestinal irritation. May cause allergic reaction.

#### INHALATION:

May cause allergic respiratory reaction.

#### NOTE TO PHYSICIAN:

This product is contained in closed or sealed vials. Under normal conditions, persons would not be exposed to powder. When prepared in a clinical setting, sterile water for injection is added to the vial containing the Penicillin G potassium. The resulting solution is then intended for either intramuscular or intravenous injection, under the care of a physician.

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**5. FIRE FIGHTING MEASURES**

**FLASH POINT:** N/A  
**IGNITION RISK:** Dust clouds are potentially sensitive to ignition from electrostatic discharge Specific risks especially if finely divided.  
**FLAMMABLE LIMITS IN AIR:** N/A  
**FLAMMABLE LIMITS:** N/A  
**EXTINGUISHING MEDIA:** Substance is nonflammable; use agent most appropriate to extinguish surrounding fire. For small fires only: use water spray carbon dioxide, dry chemical powder, polymer foam. Water is recommended for fires involving packaging. Emits toxic fumes under fire conditions. NFP A Rating: (estimated) Health: 1; Flammability: 1; Instability: 0  
**UNUSUAL FIRE / EXPLOSION HAZARDS:**

**6. ACCIDENTAL RELEASE MEASURE**

**PERSONAL PRECAUTIONS:** Use proper personal protective equipment and clothing including approved respirator to prevent contact and inhalation. Refer to protective measures listed in Section 8. Use recommended personal protective equipment. Eliminate all sources of ignition, ventilate area and avoid dust generation.  
**ENVIRONMENTAL PRECAUTIONS:** Collect and place it in a suitable, properly labeled container for recovery or precautions: disposal. Following removal of spillage. Wash spill site after material pickup is complete. Prevent release to drains and waterways. Prevent release to the environment.  
**CLEAN-UP METHODS:** Consider use of water, detergent solution or other soluble solvent for clean-up and decontamination operation. Collect in a manner that does not create dust. Contain and collect spillage and place in container for disposal according to local regulations (See Section 13). Wipe surface area clean with soap and water. Avoid contact with strong oxidizing agents.

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**7. HANDLING AND STORAGE**

**GENERAL HANDLING:** Wash thoroughly after handling. Use with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Avoid ingestion and inhalation. When handling pharmaceutical products, avoid all contact and inhalation of dust, fumes, mist and/or vapors associated with the product. Keep away from sources of ignition.

**STORAGE CONDITIONS:** Store in a cool place in the original container and protect from sunlight. Keep container closed when not in use. Store the dry powder at 20° to 25°C (68° to 77°F) [See USP Controlled Room Temperature].

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE LIMITS:** Not established by ACGIH, NIOSH, OSHA

**ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control airborne levels.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA's 29 CFR§ 1910.134 and ANSI Z88.2 or European Standard EN 149 requirements must be followed whenever workplace conditions warrant a respirator's use.

**EYE PROTECTION:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Safety glasses with side shields or goggles are recommended.

**HAND PROTECTION:** Wear appropriate gloves to prevent skin exposure.

**SKIN AND BODY PROTECTION:** Wear appropriate protective clothing to minimize contact with skin. Promptly remove contaminated clothing should contact occur. Wash contaminated clothing before reuse.

**HYGIENE:** Wash hands and face before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE:</b>	Solid Crystalline Powder	<b>SPECIFIC GRAVITY:</b>	Not Available
<b>APPEARANCE AND</b>	Colorless or White	<b>EVAPORATION RATE:</b>	Not Available
<b>ODOR:</b>	Odorless		
<b>BOILING POINT:</b>	Not Available	<b>MELTING POINT:</b>	214 -217 °C
<b>VAPOR PRESSURE:</b>	Not Available	<b>SOLUBILITY IN WATER:</b>	Soluble
<b>VAPOR DENSITY:</b>	Not Available	<b>pH:</b>	5.0 – 7.5 (3% solution)

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**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable under normal temperature and pressures  
**INCOMPATIBILITY : (MATERIALS TO AVOID)** Incompatible with strong oxidizing agents, acids, glycerol, alcohols, and heavy metal salts  
**HAZARDOUS POLYMERIZATION:** Will not occur.  
**HAZARDOUS DECOMPOSITION:** Carbon monoxide, oxides of sulfur, nitrogen and carbon dioxide.  
**CONDITIONS TO AVOID:** Dust Generation and excessive heat.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY**

COMPONENT	TYPE	ROUTE	SPECIES	DOSAGE
Penicillin G	LD <sub>50</sub>	Oral	Mouse	6257mg/kg
Penicillin G	LD <sub>50</sub>	Oral	Rabbit	5848mg/kg
Penicillin G	LD <sub>50</sub>	Oral	Rat	6700 mg/kg

**12. ECOLOGICAL INFORMATION**

No applicable information found.

**13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** Waste disposal must be in accordance with appropriate Federal, State, and Local Regulations.

**14. TRANSPORT INFORMATION**

**REGULATORY ORGANIZATIONS:**

**DOT:** Not Regulated  
**ICAO / IATA:** Not Regulated  
**IMO:** Not Regulated

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## 15. REGULATORY INFORMATION

Below is selected regulatory information chosen primarily for possible WG Critical Care use. This section is not a complete analysis or reference to all applicable regulatory information. Please consider all applicable laws and regulations for your city / state / country.

### US Regulations

TSCA – No

CERCLA-No

SARA 302 – No

SARA 313 – No

OSHA Substance Specific - No

## 16. OTHER INFORMATION

As of the date of issuance, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered with the good faith belief that it is accurate. THIS SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND (INCLUDING WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE). In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

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