SAFETY DATA SHEET

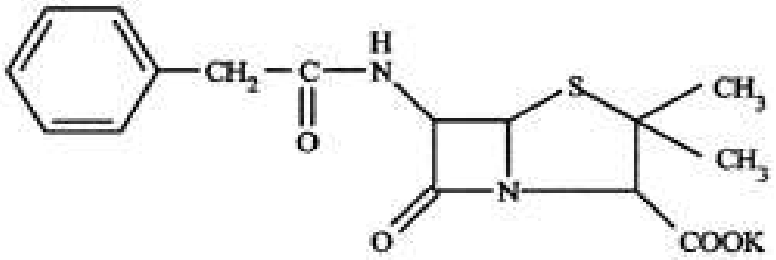
HAN-PEN Penicillin G Potassium, USP Turkey Powder

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Han-Pen Penicillin G Potassium, USP Turkey Powder
Amount:	0.500 BU and 1.000 BU
Company Identification:	**US VET** 120 Route 17 North, Suite 115 Paramus, NJ 07652
Emergency Contact Info:	CHEMTREC 800-424-9300
Intended Uses:	Anti-Infective
Jurisdiction:	This Safety Data Sheet was prepared for the jurisdiction USA.

SECTION 2 – HAZARD IDENTIFICATION

Routes of Entry:	Eye and Skin Contact, Ingestion and Inhalation
Note:	Harmful: Inhalation, Eye/Skin contact, or Ingestion. Precaution must be taken to prevent this product from being ingested, skin absorbed or inhaled. **Eye:** May cause eye irritation. May cause allergic reaction. **Skin:** May cause redness. May cause allergic skin reaction. **Ingestion:** No known significant effects or critical hazards. Non-toxic. May cause nausea, vomiting, epigastric distress, and/or diarrhea. May cause allergic reaction. **Inhalation:** May cause irritation of the nose, throat and lungs. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic reaction. **Chronic:** Not available. May cause sensitization by inhalation and skin contact. Irritating to eyes, respiratory system and skin. May cause allergic reaction in penicillin-sensitive individuals sensitive to beta-lactams, including penicillin-sensitive and/or cephalosporin-sensitive individuals

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS	
Ingredient:	Penicillin G Potassium
Chemical name:	Penicillin G Potassium
Category:	Anti-Infective
CAS #:	113-98-4
Molecular Formula:	$C_{16}H_{17}N_2O_4S \cdot K$ – Benzylpenicillin potassium Synonyms: 4-Thia-1-azabicyclo[3.2.0] heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(phenylacetyl)amino]-[2S(2α,5α,6β)]-, monopotassium salt; Potassium (2S, 5R, 6R)-3,3-dimethyl-7-oxo-6-(phenylacetamido)-4-thia-1-azabicyclo [3,2,0] heptane-2-carboxylate; Potassium 6-(2-phenylacetamido)penicilllinate
Structural Formula:	Penicillin G potassium, non sterile 
Molecular Weight:	372.51 g/mole
Content:	100% Penicillin G Potassium
Chemical Class:	Anti-Infective
SECTION 4 – FIRST AID MEASURES	
Inhalation:	Remove from exposure to fresh air immediately. Seek immediate medical attention.
Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Seek medical advice if irritation persists.
Skin Contact:	Wash off immediately with plenty of soap and water for at least 15 minutes. Remove contaminated clothing immediately and wash before reuse. Obtain medical attention.
Ingestion:	Flush mouth out with water immediately. Do not attempt to induce vomiting. Treat symptomatically and supportively. Seek medical attention.
Acute/Chronic Effects and Symptoms:	Allergy / Not available.
Contact Info:	For adverse event information, please call (866) 562-4708.

SECTION 5 – FIREFIGHTING MEASURES	
Extinguishing Media:	As with most organic solids, fire may be possible at elevated temperatures or by contact with an ignition source; use agent most appropriate to extinguish surrounding fire. For small fires only: use dry chemical or carbon dioxide. Do not use water jet. For large fires use extinguishing media suitable for surrounding materials. Do not use water jet. NFPA Rating: (estimated) Health: 1; Flammability: 1; Instability: 0
Fire Fighting Equipment: Specific risks	Use personal protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.
Special precautions for firefighters	Fine dust clouds may form explosive mixtures with air. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	Decomposition products may include the following: Carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, metal oxide/oxides, hydrogen sulfide, and mercaptans
SECTION 6 – ACCIDENTAL RELEASE MEASURES	
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:	Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.
Clean-up Methods:	Small spill: Move containers from spill area. Vacuum or sweep up material and place in designated, labeled waste container. Use spark-proof tools and explosion proof equipment. Dispose material via a licensed waste disposal contractor. Large spill: Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevail wind dispersal. Use spark-proof tools and explosion proof equipment. Dispose material via a licensed waste disposal contractor.

SECTION 7 – HANDLING AND STORAGE	
Handling Precautions:	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].
SECTION 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. > 8 hours (breakthrough time) Latex, Nitrile rubber, butyl rubber, neoprene, Viton, PVC. Replace damaged gloves.
Skin and Body Protection:	Wear suitable protective clothing and eye/face protection.
Hygiene:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated clothing and shoes should not be allowed out of the workplace. Wash contaminated clothing and shoes before reusing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
Physical State:	Solid, Crystalline powder
Color:	White to off-white
Odor:	Faint odor
Density (relative):	Not available
Boiling Point:	Not available
Melting Point:	Decomposes >228°C
Viscosity:	Not available
Solubility:	Soluble in water
Flammability:	UEL: Not available LEL: Not available
Flash Point:	Not available
Auto ignition Temp:	Not available
pH:	5.0 – 7.5; 10% solution
Vapor Pressure:	Not available
Vapor Density:	Not available
Vapor Tension	Not available
Relative Density:	Not available
SECTION 10 - STABILITY AND REACTIVITY	
Chemical Stability:	Stable under normal temperature and pressures.
Conditions to Avoid:	Dust generation, excess heat and possible sources of ignition.
Incompatible Products:	Incompatible with oxidizing materials and strong acids
Hazardous Decomposition Products:	In case of fires, see section 5 for list of decomposition products.

SECTION 11 - TOXICOLOGY INFORMATION	
Toxicological Data /Acute Exposure:	Benzylpenicillin potassium Acute toxicity **Mouse** LD50 Oral = 6257 mg/kg; **Rabbit** LD50 Oral = 5848 mg/kg; **Rat** LD50 Oral = 8900 mg/kg
Exposure and symptoms signs	Hypersensitivity of the respiratory tract can be generated. Irritation of the nose, throat and lungs Also contact with eyes and skin can generate irritations.
Chronic exposure: Teratogen	No known significant effects or critical hazards.
Chronic exposure: Cancer-producing	No known significant effects or critical hazards. Not listed as a carcinogen by IARC, NTP, or OSHA.
Chronic exposure: Reproductive risks	No known significant effects or critical hazards.
Chronic exposure: Mutagene	No known significant effects or critical hazards.
Sensitization:	Reactions of hypersensitivity by skin contact or by inhalation are known. These reactions appear in people that are already sensitive to multiple allergens.
Further information:	NDA
SECTION 12 - ECOLOGICAL INFORMATION	
Ecological information:	The use and/or disposal of this material, its metabolites, and degradation products are not expected to cause adverse effects upon animals, plants humans, other organisms, or the environment.
SECTION 13 – DISPOSAL CONSIDERATIONS	
Disposal Procedure:	**Product**: The generation of waste should be avoided or minimized whenever possible. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and in accordance with applicable federal, state and local regulations. Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers. **Packaging:** The generation of waste should be avoided or minimized whenever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14 – TRANSPORT INFORMATION	
	US DOT
Shipping Name:	Not regulated as a hazardous material
Hazard Class:	NA
UN Number:	NA
Packing Group:	NA
The SDS should accompany all shipments for reference in the event of spillage or incident release. Transport and shipping of this material is not restricted. It has no known significant hazards requiring, special packaging or labeling for air, maritime, ground transport purpose.	
This material is not a dangerous good for the purpose of transportation.	
SECTION 15 – REGULATORY INFORMATION	
OSHA Hazards:	Skin and respiratory sensitizer.
SARA 313 Components:	This material does not contain any chemical components listed on the SARA Title III Section 313 inventory.
TSCA:	No products were found.

SECTION 16 – OTHER INFORMATION

SDS Prepared by:	G.C. Hanford Manufacturing Company Regulatory Affairs Department 304 Oneida Street Syracuse, NY 13201
References:	Fersinsa GbS.A de C.V. MSDS WW16497 26 November 2010 Fisher Scientific ACC# 84264 11/28/2007 v.6.0 USB MSDS Library # 19985 03/14/2006 Bristol Myers Squibb MSDS November 17, 2000 Pfizer MSDS October 2, 2009 [1] http://www.chemblink.com/products/68-04-2.htm

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 MECHANTABILITY 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.

Key
NDA: No Data Available
NA: Not Applicable

Signature Manifest

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HAN-PEN PENICILLIN G POTASSIUM, USP TURKEY POWDER - Safety Data Sheet

Change Request Approval

Name/Signature	Title	Date	Meaning/Reason
Rebecca Bertone (RAB)	Regulatory Affairs/Compliance	26 Sep 2025, 02:27:45 PM	Approved

Owner Approval

Name/Signature	Title	Date	Meaning/Reason
Rebecca Bertone (RAB)	Regulatory Affairs/Compliance	14 Nov 2025, 08:17:58 AM	Approved

Originator

Name/Signature	Title	Date	Meaning/Reason
Rebecca Bertone (RAB)	Regulatory Affairs/Compliance	14 Nov 2025, 08:17:34 AM	Approved

Senior Quality Approval

Name/Signature	Title	Date	Meaning/Reason
Jenna Trommel (JST)	Senior Director of Quality	14 Nov 2025, 12:27:56 PM	Approved

Release

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Caitlynn McVey (CRM)	Training Administrator	14 Nov 2025, 01:35:13 PM	Approved