

Product Identifier: PEN G INJECTION

DIN #: 01939793

## MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE			
MANUFACTURER'S NAME:	BIMEDA-MTC ANIMAL HEALTH INC.	SUPPLIER'S NAME:	BIMEDA-MTC ANIMAL HEALTH INC.
STREET ADDRESS:	420 BEAVERDALE ROAD	STREET ADDRESS:	420 BEAVERDALE ROAD
CITY AND PROVINCE:	CAMBRIDGE, ONTARIO	CITY AND PROVINCE:	CAMBRIDGE, ONTARIO
POSTAL CODE:	N3C 2W4	POSTAL CODE:	N3C 2W4
TELEPHONE #	519-654-8000	TELEPHONE #	519-654-8000
EMERGENCY RESPONSE:	CHEMTREC	TELEPHONE #	1-800-424-9300
CHEMICAL NAME: Procaine Penicillin G	CHEMICAL FAMILY:	CHEMICAL FORMULA:	
PRODUCT CODE: 1PEN001 1PEN002 1PEN003	PRODUCE SIZE: 250 mL 500 mL 100 mL	PRODUCT USE: Veterinary Pharmaceutical	

\*\* For people allergic to penicillin, exposure to product may cause anaphylactic reaction.  
\*\*Emergency Medical Aid\*\*

SECTION 2 – HAZARDOUS INGREDIENTS			
MATERIAL DESCRIPTION CONCENTRATION %	APPROXIMATE NUMBERS	CAS NUMBER	LIMITS
Procaine Penicillin G	300,000 iu/ml	54-35-3	None

SECTION 3 – PHYSICAL DATA			
PHYSICAL STATE: Liquid	ODOUR AND APPEARANCE: A milky white suspension	ODOUR THRESHOLD (ppm): N/A	
VAPOUR PRESSURE (mm Hg): N/A	VAPOUR DENSITY (Air = 1): N/A	EVAPORATION RATE (Ether = 1):	
BOILING POINT (DEG.C): N/A	FREEZING POINT (DEG. C):	CRITICAL TEMPERATURE:	
pH (100%): 5.0 – 7.5 (as is)	SPECIFIC GRAVITY (H2O = 1): N/A	SOLUBILITY IN WATER: Slight	COEFF: WATER/OIL DIST.:

SECTION 4 – FIRE AND EXPLOSION DATA		
FLAMMABLE: Yes IF YES, UNDER WHICH CONDITIONS: Excessive heat, sparks or open flame.		
MEANS OF EXTINCTION: Use agent suitable for surrounding fire – water, water fog, chemical foam, dry chemical, CO2.		
SPECIAL PROCEDURES:		
FLASHPOINT (Deg. C) AND METHOD: N/A	UPPER FLAMMABLE LIMIT (% BY VOLUME):	LOWER FLAMMABLE LIMIT (% BY VOLUME):
AUTOIGNITION TEMPERATURE (DEG. C):	HAZARDOUS COMBUSTION PRODUCTS: N/A	
SENSITIVITY TO IMPACT:	SENSITIVITY TO STATIC DISCHARGE:	

<b>SECTION 5 – REACTIVITY DATA</b>	
CHEMICAL STABILITY – (IF NO, UNDER WHICH CONDITIONS?) N/A	
INCOMPATIBILITY WITH OTHER SUBSTANCES (IF YES, WHICH ONES?) N/A	
REACTIVITY, AND UNDER WHAT CONDITIONS? N/A	
HAZARDOUS DECOMPOSITION PRODUCTS: N/A	

<b>SECTION 6 – TOXICOLOGICAL PROPERTIES</b>			
ROUTE OF ENTRY:			
Skin Contact: (√)		Skin Absorption: ( )	Eye Contact: (√)
Inhalation Acute: ( )		Inhalation Chronic: ( )	Ingestion: (√)
EFFECTS OF ACUTE EXPOSURE TO MATERIAL: Eye and skin contact may cause irritation. INHALATION: May cause irritation of the respiratory tract as for penicillin allergies. INGESTION: May cause adverse health effects. <b>**Serious effect on persons allergic to penicillin.**</b>			
EFFECTS OF CHRONIC EXPOSURE: N/A			EXPOSURE LIMITS (ACGIH TLV'S):
(SPECIFY SPECIES AND ROUTE):	LD <sub>50</sub>	LC <sub>50</sub>	
IRRITANCY: Slight to severe Skin:			
Respiratory Tract Sensitization:		Carcinogenicity: Not available	
Sensitizing to Product: Allergic reaction		Synergistic Materials:	
Reproductive Effects: Not available			

<b>SECTION 7 – PREVENTATIVE MEASURES</b>		
PERSONAL PROTECTIVE EQUIPMENT: Under normal conditions of use not normally required. <b>**An eye wash and safety shower should be nearby and ready for use.</b>		
GLOVES (Specify):	RESPIRATOR (Specify):	EYES (Specify):
FOOTWEAR(Specify):	CLOTHING (Specify):	OTHER (Specify):
ENGINEERING CONTROLS: Engineering control methods to reduce hazardous exposures are preferred. Methods include mechanical ventilation (Dilution or local exhaust), process or personnel enclosure, control of process conditions, and process modifications. Personal protective equipment may also be used.		
LEAK AND SPILL PROCEDURES: Before dealing with spillage, take necessary protective measures, inform others to keep at a safe distance and for flammable materials, shut off all possible sources of ignition. Soak up liquid with absorbent and transfer carefully into approved waste container and arrange for removal by disposal company. Wash site of spillage thoroughly with water and detergent.		
WASTE DISPOSAL: Follow all federal, provincial and local regulations for disposal. Use only licensed disposal and waste hauling companies. Disposal of small amounts of spilled material may be handled as described under Leak/Spill Clean-up. Large spills must be handled by qualified disposal companies.		
STORAGE AND HANDLING REQUIREMENTS: Store in suitable labelled containers. Keep containers tightly closed when not in use and when empty. Protect from damage. Follow routine safe handling procedures.		
SPECIAL PRECAUTIONS: Containers, even those that have been emptied, will retain product residue and vapours. Always obey hazard warnings and handle empty containers as if they are full.		

<b>SECTION 8 – FIRST AID MEASURES</b>	
Eyes:	Flush the contaminated eye(s) for at least 15 minutes with lukewarm running water, holding the eyelids open. Take care not to rinse contaminated water into the non-affected eye. Always seek medical attention for accidents involving the eyes.
Skin:	Flush the contact area with lukewarm running water for at least 15 minutes. Remove contaminated clothing, taking care not to spread the chemical. If contamination is extensive, remove clothing under running water. Discard or decontaminate clothing before reuse. Unless contact has been slight, seek medical attention. Seek medical attention if irritation persists.
Ingestion:	Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Dilute by drinking water. Seek medical attention.
Inhalation:	Take proper precautions to ensure your own safety before attempting rescue. Remove source of contamination or move victim to fresh air. If breathing has stopped trained personnel should begin artificial respiration, or if the heart has stopped, cardiopulmonary resuscitation (CPR) immediately. Seek medical attention.

<b>SECTION 9 – PREPARATION DATA</b>			
Always use good industrial practices and read label prior to use.			
DATE:	April 20, 1994	TELEPHONE NUMBER:	519-654-8000
DATE UPDATED:	February, 1999, August 2002, June 2008, August 2009, August 2010, May 2014		

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that user of this material has been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact supplier.