

Product Identifier: CAL BOROGLUCONATE 23%

DIN #: 01985272

## 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
PRODUCT USE: Veterinary Pharmaceutical			
PRODUCT CODE:	1CAL004 1CAL005	PRODUCT SIZE:	500 mL

SECTION 2 – HAZARDOUS INGREDIENTS			
HAZARDOUS INGREDIENTS	APPROXIMATE CONC. %	CAS NUMBER	PRODUCT IDENTIFICATION NUMBER (PIN)
Boric Acid	4.0	10043-35-3	

SECTION 3 – PHYSICAL DATA			
PHYSICAL STATE: Liquid	ODOUR AND APPEARANCE: A clear colourless solution	ODOUR THRESHOLD (ppm):	
VAPOUR PRESSURE (mm Hg): N/A	VAPOUR DENSITY (Air = 1): N/A	EVAPORATION RATE (Ether = 1):	
BOILING POINT (DEG.C):	FREEZING POINT (DEG. C):	CRITICAL TEMPERATURE:	
pH (100%): 3.81	SPECIFIC GRAVITY (H2O = 1): 1.1089	SOLUBILITY IN WATER: Soluble	COEFF: WATER/OIL DIST.:

SECTION 4 – FIRE AND EXPLOSION DATA		
FLAMMABLE: Not applicable		
IF YES, UNDER WHICH CONDITIONS:		
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): N/A	LOWER FLAMMABLE LIMIT (% BY VOLUME): N/A
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?) Normally stable	
INCOMPATIBILITY WITH OTHER SUBSTANCES (IF YES, WHICH ONES?) Strong oxidizing agents	
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. Ingestion may cause adverse health effects. Inhalation may cause irritation of the respiratory tract. INHALATION: INGESTION:			
EFFECTS OF CHRONIC EXPOSURE: N/A (SPECIFY SPECIES AND ROUTE):			EXPOSURE LIMITS (ACGIH TLV'S):
	LD <sub>50</sub>	LC <sub>50</sub>	
IRRITANCY: N/A Skin: Respiratory Tract Sensitization:			
Sensitizing Capability: N/A		Carcinogenicity: N/A	
Reproductive Effects: N/A		Synergistic Materials:	

<b>SECTION 7 – PREVENTATIVE MEASURES</b>		
PERSONAL PROTECTIVE EQUIPMENT:		
GLOVES (Specify): Under normal conditions of use not normally required.	RESPIRATOR (Specify): Use approved mask or approved respirator if exposed to vapours or mist.	EYES (Specify): Chemical safety glasses.
FOOTWEAR(Specify):	CLOTHING (Specify): Appropriate work wear.	OTHER (Specify):
An eye wash and safety shower should be nearby and ready for use.		
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. Soak up liquid with absorbent and transfer approved waste container and arrange for removal by disposal company. Wash site of spillage thoroughly with water.		
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 REQUIREMENTS: Store in suitable labelled containers. Keep containers tightly closed when not in use and when empty. Protect from damage.		
HANDLING REQUIREMENTS: 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.		

**Product Identifier: CAL BOROGLUCONATE 23%**

**DIN #: 01985272**

**SECTION 8 – FIRST AID MEASURES**

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. 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. If victim is conscious induce vomiting. Give large quantities of 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.

Always use good industrial practices and read label prior to use.

**SECTION 9 – PREPARATION DATA**

DATE:	February 3, 1994	TELEPHONE NUMBER:	519-654-8000
DATE UPDATED:	February 1999, May 2002, July 2006, 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.