

Product Identifier: KETAMALT-50

DIN #: 02419467

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:	CHEMICAL FAMILY:	CHEMICAL FORMULA:	
PRODUCT USE: Treatment for Acetonaemia in cattle and sheep.			DOT CLASSIFICATION: Not regulated
PRODUCT CODE: 1KET006P		PRODUCT SIZE: 4L	

SECTION 2 – ACTIVE INGREDIENTS			
ACTIVE INGREDIENTS	CAS #	ACGIH-TLV	OSHA PEL
Calcium hypophosphite LD50: Not available	7789-79-9	Not available	Not available
Manganese hypophosphite LD50: Not available	10043-84-2	0.2 mg/m2 (as Mn) TWA	Not available
Ferric hypophosphite LD50: Not available	7783-84-8	Not available	Not available
Sodium hypophosphite LD50: 7640 mg/kg oral, rat	7681-53-9	10 mg/kg TWA	Not available
Cobalt sulphate LD50: 424 mg/kg oral, rat	10124-43-3	0.02 mg/m3 (as Co) TWA	Not available
Maltose LD50: 29700 mg/kg oral, rat	69-79-4	10 mg/m3 TWA	Not available

SECTION 3 – PHYSICAL DATA			
PHYSICAL STATE: Liquid	ODOUR AND APPEARANCE: Clear pale; faint	ODOUR THRESHOLD (ppm): Not available	
VAPOUR PRESSURE (mm Hg): Not available	VAPOUR DENSITY (Air = 1): Not available	EVAPORATION RATE (Ether = 1): Not available	
BOILING POINT (DEG.C): Not available	FREEZING POINT (DEG. C):	VISCOSITY: Water thin	
pH (100%): Not available	SPECIFIC GRAVITY (H2O = 1): ~1	SOLUBIITY IN WATER: Complete	% VOLATILE (WT %): Not available

SECTION 4 – FIRE AND EXPLOSION DATA		
FLAMMABLE: IF YES, UNDER WHICH CONDITIONS: Not flammable.		
MEANS OF EXTINCTION: Treat for surrounding material.		
SPECIAL FIRE HAZARDS: Fire fighters should wear self-contained breathing apparatus.		
FLASHPOINT (Deg. C) AND METHOD: None	UPPER FLAMMABLE LIMIT (% BY VOLUME): Not applicable	LOWER FLAMMABLE LIMIT (% BY VOLUME): Not applicable
AUTOIGNITION TEMPERATURE (DEG. C): Not available	HAZARDOUS COMBUSTION PRODUCTS: May include and are not limited to oxides of carbon, hydrogen chloride, oxides of phosphorous.	
SENSITIVITY TO IMPACT:	SENSITIVITY TO STATIC DISCHARGE:	

SECTION 5 – REACTIVITY DATA
CONDITIONS FOR CHEMICAL INSTABILITY: Stable.
INCOMPATIBILITY WITH OTHER SUBSTANCES (IF YES, WHICH ONES?) Acids, oxidizers, reducers.
REACTIVITY, AND UNDER WHAT CONDITIONS? Not available.
HAZARDOUS DECOMPOSITION PRODUCTS: May include and are not limited to oxides of carbon, hydrogen chloride, oxides of phosphorous, when heated to decomposition.

SECTION 6 – TOXICOLOGICAL PROPERTIES
ROUTE OF ENTRY: Eye, Skin contact, Ingestion.
EFFECTS OF ACUTE EXPOSURE TO MATERIAL: EYE: May cause irritation. SKIN: May cause irritation. INHALATION: INGESTION: Ingestion of large amounts may cause stomach distress, nausea or vomiting.
EFFECTS OF CHRONIC EXPOSURE: SKIN: Prolonged or repeated exposure can cause drying, defatting and dermatitis. IRRITANCY: May cause irritation. RESPIRATORY TRACT SENSITIZATION: No data available. CARCINOGENICITY: Non-hazardous. TERATOGENICITY, MUTAGENICITY, REPRODUCTIVE EFFECTS: No data available. SYNERGISTIC MATERIALS: Not available.

SECTION 7 – PREVENTATIVE MEASURES		
PERSONAL PROTECTIVE EQUIPMENT:		
GLOVES (Specify): Rubber gloves. Confirm with a reputable supplier first.	RESPIRATOR (Specify): Not normally required if good ventilation is maintained.	EYES (Specify): Safety glasses.
FOOTWEAR(Specify):	CLOTHING (Specify):	OTHER (Specify): As require by employer code.
ENGINEERING CONTROLS: General ventilation normally adequate.		
LEAK AND SPILL PROCEDURES: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills form entering sewers or waterways. Contact emergency services and supplier for advice.		
WASTE DISPOSAL: Review federal, state, and local government requirements prior to disposal.		
STORAGE AND HANDLING REQUIREMENTS: Keep out of reach of children. Store in a closed container away from incompatible materials.		

SECTION 8 – FIRST AID MEASURES	
Eyes:	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Skin:	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
Ingestion:	Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.
Inhalation:	Not a normal route of exposure. If symptoms persist, obtain medical attention.

SECTION 9 – PREPARATION DATA			
DATE:	August 6, 2014	TELEPHONE NUMBER:	519-654-8000
DATE UPDATED:			

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.