

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 FAMILY: Phenothiazine	CHEMICAL FORMULA: Analgesic, Sedative, Muscle relaxant	SYNONYMS: Xylazine	
CHEMICAL NAME:	2-(2,6-dimethylphenylamino)-4H-5, 6-Dihydro-1,3 thiazine hydrochloride		
PRODUCT CODE:	1XYL002		

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS:				
INGREDIENT NAME	CAS NUMBER	ACGIH:	OSHA:	CONCENTRATION %
***** HAZARDOUS INGREDIENTS *****				
Zylazine	23076-35-0	Not established	Not established	2.3%

SECTION 3 – PHYSICAL DATA			
PHYSICAL STATE: Liquid	ODOUR AND APPEARANCE: Clear, colourless with no odour.	ODOUR THRESHOLD (ppm):	
VAPOUR PRESSURE (mm Hg): No data available.	VAPOUR DENSITY (Air = 1):	EVAPORATION RATE (Ether = 1):	
BOILING POINT (DEG.C): 100 deg C	MELTING, FREEZING POINT (DEG. C): No data available.	BULK DENSITY: 8.38 lbs/gal	
pH (100%): 5.2 – 5.8	SPECIFIC GRAVITY (H2O = 1): 1.006	SOLUBILITY IN WATER: Miscible	COEFF: WATER/OIL DIST.:

SECTION 4 – HAZARD IDENTIFICATION		
EMERGENCY OVERVIEW:		
COLOUR: Colourless	FORM: Liquid, clear	ODOUR: None
POTENTIAL HEALTH EFFECTS: ROUTE(S) OF ENTRY: Inhalation, Skin Contact, Eye Contact, Injection		
HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE: ACUTE EFFECTS OF EXPOSURE: Exposure during the end use of this product is expected to be minimal. End-Users should refer to the packaging label for proper handling procedures. The active ingredient in this product, xylazine, is a sedative, analgesic and muscle relaxant. Sufficient exposure to xylazine during manufacturing spills, etc. may cause respiratory depression or a decrease in blood pressure. Other effects may include falling, muscle relaxation, decreased sensitivity to pain and pronounced dryness of mouth and paleness of the skin.		
CHRONIC EFFECTS OF EXPOSURE: None known.		
CARCINOGENICITY: This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.		
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.		

SECTION 58 – FIRST AID MEASURES	
Eyes:	Hold eyelids open and flush with copious amounts of water for 15 minutes. Call a physician if irritation develops or persists after flushing.
Skin:	In case of skin contact, remove contaminated clothing and wash affected areas with plenty of soap and water. Get medical attention if irritation develops or persists. If signs of intoxication occur, get medical attention immediately.
Ingestion:	If ingestion is suspected, call a physician or poison control center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. If syrup of ipecac is available, administer 1 tablespoon (15 mL) of syrup of ipecac followed by 1 to 2 glasses of water. If vomiting does not occur within 20 minutes, repeat the dose once. Do not induce vomiting or give anything by mouth to an unconscious person.
Inhalation:	If a person is overcome by excessive exposure to aerosols or vapors of this material, remove to fresh air or uncontaminated area. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention as soon as possible.
NOTE TO PHYSICIAN: Treat victim symptomatically.	

SECTION 6 – FIRE FIGHTING MEASURES	
FLASH POINT: Greater than 200 deg F	EXTINGUISHING MEDIA: Water

SECTION 7 – ACCIDENTAL RELEASE MEASURES
LEAK AND SPILL PROCEDURES: Isolate area and keep unauthorized people away. Do not walk through spilled material. Avoid breathing vapors and skin contact. Wear proper protective equipment. Dike contaminated area with absorbent granules, soil, sand, etc. Carefully sweep up absorbed spilled material and place in a covered container for disposal. Scrub contaminated area with soap and water. Use dry absorbent material to absorb and collect wash solution for proper disposal. Do not allow material to enter stream, sewers or other waterways.

SECTION 8 – HANDLING AND STORAGE
STORAGE TEMPERATURE (MIN/MAX): No data available/30 deg C.
SHELF LIFE: See label.
SPECIAL SENSITIVITY: See label.
HANDLING/STORAGE PRECAUTIONS: See label.

SECTION 9 – PERSONAL PROTECTION
EYE WORK/HYGIENE PROCEDURES: Exposure during the end use of this product is expected to be minimal. End users should refer to the packaging label for proper handling procedures. However, sufficient exposure may occur during manufacturing, spills, etc. in which case the following personal protection is recommended.
EYE PROTECTION REQUIREMENTS: Splash-proof goggles.
SKIN PROTECTION REQUIREMENTS: Avoid skin contact. Wear long sleeves and trousers to prevent dermal exposure.
HAND PROTECTION REQUIREMENTS: Chemical resistant gloves.
VENTILATION REQUIREMENTS: Control exposure through the use of general and local exhaust ventilation.
ADDITIONAL PROTECTIVE MEASURES: Clean water should be available for washing in case of eye or skin contamination. Educate and train employees in safe use of the product. Follow all label instructions. Launder clothing after use. Wash thoroughly after handling.

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: This is a stable material.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Not established.

INSTABILITY CONDITIONS: Not established.

DECOMPOSITION PRODUCTS: Not established.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

Oral LD50 – Rat: 130 mg/kg (for xylazine).

SECTION 12 – ECOLOGICAL INFORMATION

The active ingredient, xylazine, is harmful to aquatic organisms.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Dispose of in accordance with all applicable Federal, State and Local regulations. Do not reuse empty containers.

SECTION 14 – TRANSPORTATION INFORMATION

TECHNICAL SHIPPING NAME:

Not applicable.

FREIGHT CLASS BULK:

Boxes Drug & Medicines, N.O.I.

MNFC 58770. Sub 2

Boxes Drug & Medicines, N.O.I.

PRODUCT LABEL:

Not noted.

DOT (DOMESTIC SURFACE):

HAZARD CLASS OR DIVISION:

Non-Regulated.

IMO / IMDG CODE (OCEAN):

HAZARD CLASS DIVISION NUMBER:

Non-Regulated.

ICAO / IATA (AIR):

HAZARD CLASS DIVISION NUMBER:

Non Regulated.

SECTION 15 – REGULATORY INFORMATION	
OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.	
TSCA STATUS: This product is a food, food additive, drug, cosmetic or device as defined by Section 201 of the Federal Food, Drug and Cosmetic Act and therefore is exempt from TSCA regulation under Section 3 (2) (B) (vi).	
CERCLA REPORTABLE QUANTITY: None.	
SARA TITLE III:	
SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None.	
SECTION 311/312 HAZARD CATEGORIES: Immediate Health Hazard.	
SECTION 313 TOXIC CHEMICALS: None.	
RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)	

SECTION 16 – OTHER INFORMATION	
NFPA 704M RATINGS: 0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme Health: 2 Flammability: 0 Reactivity: 0 Other:	

SECTION 17 – PREPARATION DATA			
DATE:		TELEPHONE NUMBER:	519-654-8000
DATE UPDATED:	August 2002, May 2006, 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.