

MATERIAL SAFETY DATA SHEET

The purpose of this Material Safety Data Sheet is to provide health and safety information of this product. Please read the data provided carefully and ensure that users of this product comply fully with their country's relevant regulations

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Date of Issue :	1st September 2004		
Product Details			
Product Name:	BioTabs		
Chemical formula:	Biological Product		
Manufacturer's code:	Q/BIO TABS/004		
Use:	As Urinal Maintainer & Deodoriser		
Manufacturer's Name:	Calfarme (Singapore) Pte Ltd		
Manufacturer's Address:	AMK Techlink, 20 Ang Mo Kio Industrial Park 2A #06-18 Singapore 567761		
	Tel: (65) 6556 4111 Fax: (65) 6556 2444 Email: singapore@calfarme.com		

SECTION 2 : COMPOSITION OF / INFORMATION ON INGREDIENT

Ingredients	CAS No:	%
Polyethylene Glycols	9016-45-9	>75
Bacterial Culture	68920-42-3	>10
Fragrance	NE	<5
Dyes/Colours	3844-45-9	<1

SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid	Flammability:	Not flammable
Colour:	Blue or Pink	Oxidising Properties:	Not oxidising
Odour:	Fragrant	Vapour Pressure:	H ₂ O
pH:	6.5	Relative Density:	1.0
Boiling Point/Range (oC):	100°C	Water Solubility:	Miscible

SECTION 4 : HAZARD IDENTIFICATION

Classification:	The preparation is not classified as dangerous for supply. Biological agents belonging to Groups 2, 3 and 4 are absent.		
Symbol:	Risk Phrases:	Main Hazard:	No critical hazards

SECTION 5 : FIRST AID MEASURES

Exposure By:	Symptom:	Treatment:
Eye Contact	Irritation	Irrigate eye thoroughly with water. Obtain medical attention if symptoms persist.
Skin Contact	Irritation	Wash with soap and water.
Inhalation	Irritation of the respiratory tract:	Inhalation is unlikely under normal conditions of use. If it occurs, remove from exposure, keep warm and obtain medical attention.
Ingestion	Irritation of digestive system nausea, vomiting, diarrhoea	Ingestion is unlikely under normal conditions of use. If it occurs, wash out mouth thoroughly with water and obtain medical attention.

SECTION 6 : FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Use water spray. The product is not flammable but solid residues produced by evaporation may give rise to toxic fumes.
Special Exposure Hazards:	Avoid skin and eye contact
Special Protective Equipment:	Wear gloves, chemical safety glasses and other personal protective equipment appropriate to the situation.

SECTION 7 : ACCIDENTAL RELEASE MEASURE

Personal Precautions:	Wear gloves, chemical safety glasses and other personal protective appropriate to the quantity released.
Environmental Precautions:	Contain and absorb with sand or other inert absorbent. Transfer to containers or disposal as indicated below (Section 13).
Decontamination Procedures:	Flush spillage area with water and run to waste if local regulations permit. Otherwise prevent run-off to drainage system, collect and dispose of washings.

SECTION 8 : HANDLING AND STORAGE

Handling:	Avoid contact with eyes and skin
Storage:	In a cool, dry place. Do not freeze. Keep container tightly closed when not in use.

SECTION 9 : EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational Exposure Limits:	Not required.
Engineering Control Measures:	Not required.
Recommended Personal Protection:	Eyes - Chemical safety goggles Hands - Wash hands thoroughly after use

SECTION 10 : STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Temperatures below 0°C
Materials to Avoid:	Strong alkalis, acids or strong oxidising agents and bactericidal compounds
Hazardous Decomposition Products:	Thermal decomposition may produce oxides of carbon

SECTION 11 : TOXICOLOGICAL INFORMATION

Eyes:	Will cause mild irritation and redness
Skin:	May cause mild irritation on prolonged contact. Contact with open wounds or broken skin should be avoided.
Inhalation:	May irritate nose and upper respiratory tract.
Ingestion:	May cause nausea, vomiting and diarrhoea.
Chronic Health Effects:	Other:

SECTION 12 : ECOLOGICAL INFORMATION

Environmental Assessment:	Preparation may be harmful to fish. Release into surface waters should be avoided unless well diluted.
Mobility:	Preparation is water miscible.
Persistence and Degradability:	Preparation is unlikely to be persistent and is expected to degrade safely.
Bioaccumulation Potential:	Low Ecotoxicity:

SECTION 13 : DISPOSAL CONSIDERATIONS

All disposal must be via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.	
Unused Product:	As above Used/Contaminated Product: As above
Empty Container:	Do not reuse container. Dispose of container in accordance with local regulations.

SECTION 14 : TRANSPORT INFORMATION

The product is not classified as hazardous from transportation	UN/SI Number:	Not required.
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SECTION 15 : OTHER INFORMATION

General Information:	Before using any product, ensure that you read and understand its label. The information contained in this safety data sheet is, to the best of our knowledge and belief, accurate and reliable at the time of publication. The information relates only to the specific material designated in this safety data sheet and may not be valid for such material if it is used in combination with any other materials or for any other use other than that specified herein. Calfarme is not liable for the use of this product for any purpose than that described in this safety data sheet. It is the user's responsibility to satisfy himself/herself as to the suitability in completeness of such information for his/her own particular use.
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SECTION 16 : CONTACT POINT

In case of emergency, contact :	Calfarme (Singapore) Pte Ltd - ISO 9001/EMS 140001 Certified AMK TechLink, 20 Ang Mo Kio Industrial Park 2A #06-18 Singapore 567761 Tel: (65) 6556 4111 Fax: (65) 6556 2444 Email: singapore@calfarme.com
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