

MATERIAL SAFETY DATA SHEET – Bio Shield

PRINT DATE:11/04/11

Issue No. 1

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Commercial Product Name: **BIO-SHIELD**
Responsible Company: Biolink Systems Ltd
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Thetford, Norfolk
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2. INFORMATION ON INGREDIENTS

Hazardous Ingredients :

<u>Chemical</u>	<u>Classification</u>	<u>% Conc.</u>	<u>CAS No</u>	<u>Exposure</u>
cocoalkyl dimethylbenzyl ammonium chloride	C; R21/22 R34 N; R50	15 - 25	68391-01-5	None assigned
glutaraldehyde 50%	T; R23/25, C; R34, R42/43,	20 - 40	000111-30-8	STEL 0.2ppm 0.7 mg/m ³

3. HAZARDS IDENTIFICATION

Emergency Overview

Description: Concentrated animal health disinfectant.
Appearance: Clear amber liquid.

Potential Health Effects

Human Health Hazards : Causes burns, harmful by inhalation and if swallowed, may cause sensitisation by inhalation and skin contact.

4. FIRST AID MEASURES

	Symptoms	First Aid
Skin Contact:	Causes burns	Remove contaminated clothing and wash before reuse Rinse skin with plenty of water. Seek medical attention if symptoms persist.
Eye Contact	Causes burns	Rinse eyes with plenty of clean water for at least 15 minutes. Seek medical attention immediately.
Ingestion	Burns to mouth,throat , upper digestive tract and stomach.	Do not induce vomiting. Rinse out mouth and throat thoroughly with water. Drink warm water. Seek medical attention.
Inhalation	May cause irritation and burning to nose throat and respiratory tract through inhalation of spray mists of the diluted product.	Remove from exposure and keep at rest. If symptoms persist, seek medical advice.

5. FIRE FIGHTING MEASURES

Suitable Fire Extinguishing Media: Water spray, Foam, Dry chemical, CO₂
Special precautions: Avoid naked flames. Fire-fighters should wear self-contained breathing apparatus. May produce toxic fumes in a general conflagration.

6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment (see section 8). Do not let product enter drains or watercourses. Absorb with sand or earth, shovel into suitable containers for disposal. Flush away traces with water after cleaning. Ensure washings do not contaminate water courses or sewers.

7. HANDLING AND STORAGE

Store in a cool dry place away from other chemicals. Protect from extreme temperatures. Do not eat, drink or smoke when handling this product. Keep container tightly closed when not in use.
Wear protective clothing (see section 8) when diluting this product. Avoid inhalation of vapour and contact with skin and eyes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures : No specific measures required provided the product is handled according to general safety procedures.

Control parameters : None assigned

Recommended Personal Protective Equipment:

Respiratory Protection : When working in spray mists of the concentrate or diluted product, the use of a respiratory mask, fitted with an organic vapour/particulate filter unit is recommended, particularly where ventilation is considered to be poor and/or when operating in enclosed areas.

Hand Protection : Impermeable gloves

Eye Protection : Protective glasses or goggles to BS EN 166 standard.

Skin : Chemically resistant overalls, rubber boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear amber liquid.
Odour: Fragrant, aromatic
Solubility : Miscible with water.
Other Data: None relevant for safety.

10. STABILITY AND REACTIVITY

This preparation is stable under normal conditions of use.

Conditions to avoid: Excessive heat.
Materials to avoid: Acids, alkalis, aluminium.
Hazardous Decomposition Products: None in normal use.

11. TOXICOLOGICAL INFORMATION

Repeated skin contact with concentrate may cause allergic contact dermatitis.
Harmful if swallowed.
May aggravate existing asthmatic conditions.

12. ECOLOGICAL INFORMATION

Bioaccumulation is not expected.
The ammonium compound has a biological degradability of greater than 90% (EEC 82/243)

13. DISPOSAL CONSIDERATIONS

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the EWC.

14. TRANSPORT INFORMATION

UN No.	3265	Corrosive Liquid, Acidic, Organic, N.O.S. (glutaraldehyde, alkyl dimethyl benzylammonium chloride)
Primary Hazard	Class 8	Corrosive
Packing Group	II	
H.I. Number	80	
Emergency action code	2X	

15. REGULATORY INFORMATION

EEC Classification : CORROSIVE
Hazard Labelling : C

Risk Phrases :	R20/22 R34 R42/43	Harmful by inhalation and if swallowed. Causes burns. May cause sensitisation by inhalation and skin contact.
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Safety Phrases :	S2 S13 S26 S36/37/39 S45	Keep out of reach of children Keep away from food, drink and animal feedstuffs. In case of contact with eyes, rinse immediately with plenty of water. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately 9 show label where possible)
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16. OTHER INFORMATION

The information contained in this MSDS, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee.

Since the conditions of use are beyond control of our company, it is the responsibility of the user to determine the conditions of safe use of this preparation. The information in this sheet does not represent analytical specifications, for which please refer to our Product Data Sheet.

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