

**SAFETY DATA SHEET**

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Bio-Purinel

Revision 7

Revision date 6-Jun-2007

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name	Bio-Purinel
Description	Non-pressurised pump refill containing an aqueous liquid formulation of non pathogenic bacterial cultures and chemical cleaners for use in combination with proprietary automated dispensers.
Company	Technical Concepts International Ltd The Neutrale Centre Culley Court Orton Southgate Peterborough PE2 6WA United Kingdom www.technicalconcepts.co.uk
Telephone	+44 (0)870 568 6824
Fax	+44 (0)870 225 8390
Informing Department	Technical Services Department.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Description	Mixture of water, surfactant and a biological additive.
Additional Information:	Full text for all Risk Phrases mentioned in this section are displayed in Section 16.

3. HAZARDS IDENTIFICATION

Main hazards	No Significant Hazard
Other hazards	Not classified as hazardous according to 67/548/EEC and 99/45/EC.
Classification system	The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4. FIRST AID MEASURES

Skin contact	Remove contaminated clothing. Wash all contaminated clothing before reuse. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Ingestion	Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Seek medical attention.

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5. FIRE FIGHTING MEASURES

Extinguishing media	Carbon dioxide (CO ₂) Dry chemical. Alcohol resistant foam. Do NOT use water jet.
Fire hazards	carbon oxides may be formed in fire conditions.
Protective equipment	Wear suitable protective clothing. Wear suitable protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear suitable protective equipment. Evacuate personnel to a safe area.
Environmental precautions	Do not flush into surface water. Do not let product contaminate subsoil.
Clean up methods	No special precautions, except to be aware that spillages will make floors slippery. Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. HANDLING AND STORAGE

Handling	No precautions required to be mentioned.
Storage	Keep containers tightly closed. Do not store with strong acids. Do not store with strong oxidising agents. Store in a cool, dry area. Store at temperatures above 5 °C. Store at temperatures below 30 °C. Protect from heat and direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Occupational exposure controls	Wash hands during breaks and at the end of the work.
Respiratory protection	Not required when used as directed.
Hand protection	Not required when used as directed. Wash hands after handling the product.
Eye protection	Not required when used as directed.
Protective equipment	Not required when used as directed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	According to Product specification.
Odour	Slight.
pH	4.6 ± 0.2
Boiling point	No data is available on this product.
Flash point	No data is available on this product.
Explosive	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
Relative density	1.000 ± 0.006
Melting point	Not applicable.
Autoignition temperature	Product is not self-igniting.

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10. STABILITY AND REACTIVITY

Stability	Will not decompose if stored and used as recommended.
Conditions to avoid	Do NOT allow to freeze. Direct sunlight. Heat.
Materials to avoid	Strong acids. Strong oxidising agents.
Hazardous decomposition products	carbon oxides may be formed in fire conditions.

11. TOXICOLOGICAL INFORMATION

Toxicological information	No data is available on this product.
Sensitization	May cause sensitisation by skin contact.

12. ECOLOGICAL INFORMATION

Degradability	Readily biodegradable.
Further information	Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
Disposal of packaging	Containers can be recycled if in compliance with local and national regulations.

14. TRANSPORT INFORMATION

Further information	The product is not classified as dangerous for carriage.
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15. REGULATORY INFORMATION

Labelling	Not classified as hazardous according to 67/548/EEC and 99/45/EC. For professional use only.
Risk phrases	NSH - No Significant Hazard.

16. OTHER INFORMATION

Informing Department	Technical Services Department. Mr. K. Anderson.
Data sources	Raw Material Data Sheets.
Further information	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
Labelling for contents	Anionic surfactants. 0 - < 5%