



SAFETY DATA SHEET

Purinel

Revision 8
Revision date 6-Dec-2007

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Purinel

Description Non-pressurised pump refill containing disinfectant and cleaning solution for use in combination with proprietary automated dispensers.

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Informing Department Technical Services Department.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Description Mixture of water, disinfectants, surfactants and complexing agent.

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Ethanol	10-20%	64-17-5	200-578-6	F; R11
Isopropanol (Propan-2-ol)	1-10%	67-63-0	200-661-7	F; R11 Xi; R36 R67
2 Benzyl-4-chloro phenol	1-10%	120-32-1	204-385-8	Xn;R20 Xn;R22 Xi;R38 Xi;R41 N;R50/53
Monopropylene Glycol (Propane-1,2-diol particulates)	1-10%	57-55-6	200-338-0	
Sodium C14 - C16 Olefin Sulfonate	1-10%	68439-57-6	270-407-8	Xi; R38-41

Additional Information: Full text for all Risk Phrases mentioned in this section are displayed in Section 16.

3. HAZARDS IDENTIFICATION

Main hazards Irritating to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

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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.

5. FIRE FIGHTING MEASURES

Extinguishing media	Carbon dioxide (CO2) 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.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Ethanol	WEL 8-hr limit ppm: 1000 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 1920 WEL 15 min limit mg/m3: -
Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400 WEL 15 min limit ppm: 500	WEL 8-hr limit mg/m3: 999 WEL 15 min limit mg/m3: 1250
Monopropylene Glycol (Propane-1,2-diol particulates)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: -
Monopropylene Glycol (Propane-1,2-diol total vapour and particulates)	WEL 8-hr limit ppm: 150 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 474 WEL 15 min limit mg/m3: -

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	Characteristic.
pH	4.0 ± 0.2
Boiling point	85°C
Flash point	34°C
Explosive	1.8 - 19.0 Vol%
Relative density	0.983 ± 0.006 g/cm ³
Viscosity	0 - 50 cps
Melting point	Not applicable.
Autoignition temperature	Product is not self-igniting.

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.

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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

ADR/RID

UN	1987	Packing group	III
Class	3	Hazard ID	30
Proper Shipping Name	ALCOHOLS, N.O.S, .		

Remarks	UN 1987 should be placed inside the diamond shaped label. Goods are classed as "Limited Quantities" and are therefore exempt from ADR regulations. Check local local legislation for domestic transport.
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IMDG

UN	1987	Packing group	III
Class	3	Marine pollutant	NO
EmS Code	F-E S-D		

Remarks	"Dangerous goods of limited quantities of Class 3" is required according to IMDG regulations.
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IATA


UN	1987	Packing group	III
Class	3	Subsidiary risk	-
Packing Instruction (Cargo)	310	Maximum quantity	220 L
Packing Instruction (Passenger)	309	Maximum quantity	60 L

Remarks	"Limited Quantity" .
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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.
Symbols	Xi - Irritant 
Risk phrases	R36 - Irritating to eyes. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases	S2 - Keep out of the reach of children. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. OTHER INFORMATION

Text of risk phrases in Section 2	R11 - Highly flammable. R20 - Harmful by inhalation. R22 - Harmful if swallowed. R36 - Irritating to eyes. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R67 - Vapours may cause drowsiness and dizziness.
Informing Department	Technical Services Department. Mr. K. Anderson.
Data sources	Raw Material Data Sheets. EH40/2005 Occupational Exposure limits (UK)
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	Disinfectants. 0 - < 5% Anionic surfactants. >= 5% - < 15%