

# Safety Data Sheet

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**REVISION (see box 16)**

Issue : 07 01 : 02 : 2008

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
<b>Product Name</b>	<b>URINAL DEODORISER FLUID</b>
<b>Description</b>	A sanitiser for use by Rentokil Initial service staff. A clear, light yellow liquid with a weak soapy odour. For use in the Calmic Sanitiser Unit, for inhibition of encrustation and bacterial growth on surfaces covered by flush water from urinals.
<b>Company</b>	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: 0151 548 5050 Emergency line: 0800 731 6 731 Email: <a href="mailto:eurotech.techinfo@rentokil-initial.com">eurotech.techinfo@rentokil-initial.com</a>

2 HAZARD IDENTIFICATION	
<b>Classification (Supply – Use) : In compliance with EC Directive 1999/45.</b>	
<b>C CORROSIVE</b>	R34 Causes burns.  R43 May cause sensitisation by skin contact.
<b>Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):</b>	
May cause serious damage to eyes and on contact with skin may result in burns. If swallowed, may cause burns to the digestive system and upper respiratory tract. If inhaled may cause burns to respiratory system and mucous membranes. May cause sensitisation by skin contact.	
No other significant adverse effects expected under normal conditions of handling and use.	

3 COMPOSITION / INFORMATION ON INGREDIENTS (SEE ALSO BOX 16)		
% w/w	Common*/Chemical Name, Elincs/Einecs & CAS No. of Ingredients	EC 1999/45 Classification
≤0.1	A mixture of 5-chloro-2-methyl-2H-isothiazol-3-one EINECS : 247-500-7 CAS : 26172-55-4 and 2-methyl-2H-isothiazol-3-one (3:1) EINECS : 220-239-6 CAS : 2682-20-4	T : R23/24/25 C : R34 R43 N : R50,53
>2.5 ≤10.0	Alkyl dimethyl betaine* EINECS : 266-368-1 CAS : 66455-29-6	X <sub>i</sub> : R36/38
> 1.0 ≤5.0	1,3-Propanediamine N- (C= 10-16) alkyl derivatives reaction product with 2-chloroacetic acid* EINECS : Not applicable CAS : 139734-65-9	X <sub>i</sub> : R38 R41 N : R50
> 1.0 ≤5.0	Diethylene glycol*/ 2,2'-oxydiethanol EINECS : 203-872-2 CAS : 111-46-6	X <sub>n</sub> : R22
>10.0 ≤25.0	2-phosphobutane-1,2,4-tricarboxylic acid EINECS : 253-733-5 CAS : 37971-36-1	C : R34

## URINAL DEODORISER FLUID

<b>4 FIRST-AID MEASURES (SEE ALSO “ADVERSE EFFECTS” IN BOX 2)</b>	
<b>Inhalation</b>	Remove patient to fresh air, keep warm and at rest. Apply supportive measures if necessary and seek medical attention.
<b>Eye Contact</b>	Rinse affected eye with clean running water, or eyewash solution, for at least 15 minutes holding eyelids well apart. Rinse entire surface and do not allow run-off to contaminate unaffected eye. Seek medical attention.
<b>Skin Contact</b>	Remove and wash contaminated clothing immediately. Wash affected area thoroughly with soap and water. If the patient feels unwell seek medical advice.
<b>Ingestion (Swallowing)</b>	Do NOT induce vomiting. If unconscious place in the recovery position and apply supportive measures if necessary. If conscious give patient up to ½ litre or 1 pint of water to drink. Seek medical attention.
<b>Emergency Equipment Suggested</b>	Appropriate first-aid equipment should be provided. For the UK this should be in accordance with the Health & Safety (First-Aid) Regulations 1981. See also the Approved Code of Practice “First-aid at Work”.
<b>Note To Doctor</b>	Further information on all Rentokil Initial formulations is lodged with the National Poisons Information Service in the UK.

<b>5 FIRE FIGHTING MEASURES</b>	
<b>Fire Extinguisher Type</b>	Use carbon dioxide, foam, water spray, or dry powder extinguishers.
<b>Special Fire-Fighting Procedures</b>	Wear suitable personal protective equipment.
<b>Special Exposure Hazards</b>	Nitrogen oxides and carbon oxides may be formed on combustion.

<b>6 ACCIDENTAL RELEASE MEASURES</b>	
<b>Personal Precautions (See also box 8)</b>	Wear suitable personal protective equipment.
<b>Environmental Precautions</b>	Keep away from drains, surface and ground water, and soil.
<b>Clean-up Procedure (See also box 13)</b>	Absorb spill with an inert material such as sand, earth or sawdust. Transfer to a suitable container for subsequent disposal.

<b>7 HANDLING AND STORAGE (SEE ALSO BOX 8)</b>	
<b>Handling Storage</b>	No specific handling requirements. Store in original container in a cool, dry, ventilated place out of the reach of children and away from food, drink and animal feeding stuffs.


<b>8 EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>Exposure Standard - Directive EC/98/24 (1<sup>st</sup> IOELV Directive)</b>	Workplace Exposure Limit (WEL) for diethylene glycol is 101 mg/m <sup>3</sup> long-term exposure (8 hour Time Weighted Average). Diethylene glycol is referred to as 2,2'-oxydiethanol in Directive EC/98/24 (1 <sup>st</sup> IOELV Directive).
<b>Engineering Controls</b>	Where exposure may occur, engineering controls, rather than the provision of Personal Protective Equipment (PPE) should be employed. On completion of a risk assessment, the following PPE may be required:
<b>Eye Protection</b>	Suitable eye protection such as goggles.
<b>Hand Protection</b>	Suitable hand protection such as pvc gloves.
<b>Skin Protection</b>	Suitable skin protection such as coveralls.
<b>Breathing Protection</b>	None necessary during normal handling and use.
<b>Environmental Exposure Controls</b>	Use only in accordance with instructions given.

<b>9 PHYSICAL AND CHEMICAL PROPERTIES</b>			
<b>Appearance and Odour</b>	A clear, light yellow liquid with a weak soapy odour.		
<b>pH</b>	2.1 at 20°C	<b>Solubility in Water</b>	Miscible.
<b>Specific Gravity</b>	1.1 at 20°C	<b>Solubility in Other Solvents</b>	Not determined.
<b>Flash Point</b>	Not determined.	<b>Explosive Properties</b>	Not determined.
<b>Flammability</b>	Non-flammable.	<b>Combustibility</b>	Non combustible.
<b>Boiling Point/Range</b>	Not determined.	<b>Oxidising Properties</b>	Not determined.
<b>Vapour Density</b>	Not determined.	<b>Evaporation Rate</b>	Not determined.
<b>Vapour Pressure</b>	Not determined.	<b>Partition Coefficient</b>	Not applicable.
<b>Viscosity</b>	Not determined.	<b>Other Data</b>	None known.

## URINAL DEODORISER FLUID



**14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)**

<b>UN No.</b>	UN3265	<b>Tremcard Reference No.</b>	CEFIC TEC (R)- 80GC3-II+III	<b>RIS Code</b>
<b>Transport Category</b>	3	<b>UK Hazchem EAC</b>	2X	CS10525
<b>ADR 2007 (International Road) Proper Shipping Name</b>	<b>Class 8 ADR HIN 80</b>			<b>Labels</b>  Pack size: 2 x 5L
<b>Limited Quantity Exemptions</b>	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains 2-phosphobutane-1,2,4-tricarboxylic acid). Maximum quantity per inner receptacle is 5 litres. Maximum quantity per outer package is 30kg. Combination packs only.			
<b>Special Requirements</b>	Not required. <b>Packing Group III</b>			
<b>IMDG 2006 (Sea) Proper Shipping Name</b>	<b>Class 8 IMDG EMS F-A, S-B</b>			
<b>Limited Quantity Exemptions</b>	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains 2-phosphobutane-1,2,4-tricarboxylic acid). Maximum quantity per inner receptacle is 5 litres. Maximum quantity per outer package is 30kg. Combination packs only.			
<b>Special Requirements</b>	Not required. <b>Packing Group III</b>			
<b>Note for Transport</b>	Local, State or National requirements may apply to the carriage of this product.			

**15 REGULATORY INFORMATION (HEALTH AND SAFETY INFORMATION (SEE ALSO BOX 2))**

<b>Safety Phrases</b>	S24/25 Avoid contact with skin/eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S35 This material and its container must be disposed of in a safe way. S36/37/39 Wear suitable protective clothing, gloves and eye/ face protection. S45 In case of accident or if you feel unwell seek medical advice immediately (show this label where possible).
<b>Additional Label Phrases</b>	Contains: 2-phosphobutane-1,2,4-tricarboxylic acid.
<b>Legislation</b>	Labelling is in accordance with UK regulations implementing the EC Directive 1999/45. Additional labelling requirements may be necessary in accordance with other National legislation. Outside the UK, the registration of this product may be necessary before use and any additional local requirements must be observed at all times. The information given on this Safety Data Sheet (SDS) <b>does not</b> constitute an assessment in accordance with Control of Substances Hazardous to Health (COSHH) Regulations 2002, in the UK. Other National measures or guidance should be followed where appropriate.

**16 Other Information and indication of revisions**

<b>Packaging Information</b>	A white 5 litre, plastic jerrican with a screw top.
<b>Revisions</b>	Changes have been made to the content of boxes 12 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 06.
<b>Risk phrase text</b> (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	R22 : Harmful if swallowed. R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed. R34 : Causes burns. R36/38 : Irritating to eyes and skin. R38 : Irritating to skin. R41 : Risk of serious damage to eyes. R43 : May cause sensitisation by skin contact. R50 : Very toxic to aquatic organisms. R50,53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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**Before using any product, ensure that you read and understand its label.**

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