

# Safety Data Sheet

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**REVISION (see box 16)**

Issue : 05 31 : 07 : 2007

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
<b>Product Name</b>	<b>TYPE S SUNSHINE NA</b>
<b>Description</b>	A deodoriser for use by Rentokil Initial service staff. A clear yellow liquid with a pleasant odour, for use in urinals and toilets.
<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>Not classified</b>
<b>Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):</b>
May cause irritation to the eyes and skin, especially on prolonged contact. If swallowed, may be irritating to digestive system and upper respiratory system. If swallowed in large quantities, may cause nausea, vomiting, muscular incoordination and drowsiness. Aspiration during swallowing or vomiting may damage the lungs.
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
>2.5 ≤10.0	Non-ionic surfactant* / alcohol ethoxylate EINECS : Not available CAS : Not available	X <sub>n</sub> : R22 : R41
>2.5 ≤10.0	Non-ionic surfactant* / alcohol ethoxylate CAS : 68131-39-5	X <sub>n</sub> : R22 : R41 N : R50
>2.5 ≤10.0	Ethanol EINECS : 200-578-6 CAS : 64-17-5	F : R11
> 1.0 ≤2.5	Amphoteric surfactant* / alkyl dimethylamine betaine EINECS : 266-368-1 CAS : 66455-29-6	X <sub>i</sub> : R38 : R41
> 1.0 ≤2.5	Non-ionic surfactant* / alcohol ethoxylate EINECS : Not available CAS : Not available	X <sub>i</sub> : R36/38 N : R50
≤ 1.0	Camphor* / boran-2-one EINECS : 200-945-0 CAS : 76-22-2	X <sub>n</sub> : R20 : R68/22
≤ 0.12	Methanol EINECS : 200-659-6 CAS : 67-56-1	F : R11 T : R23/24/25 R39/23/24/25

**TYPE S SUNSHINE NA**

<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 or dry powder extinguishers. Do NOT use a water jet.
<b>Special Fire-Fighting Procedures</b>	Wear suitable personal protective equipment.
<b>Special Exposure Hazards</b>	In a fire, oxides of carbon and nitrogen may be evolved.

<b>6 ACCIDENTAL RELEASE MEASURES</b>	
<b>Personal Precautions (See also box 8)</b>	Wear suitable personal protective equipment.
<b>Environmental Precautions</b>	Keep undiluted product 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 ethanol is 1920 mg/m <sup>3</sup> long-term exposure (8 hour Time Weighted Average). WEL for methanol is 266 mg/m <sup>3</sup> (8hr TWA) and 333 mg/m <sup>3</sup> short-term exposure (15 minute reference period). Can be absorbed through the skin. WEL for camphor is 13 mg/m <sup>3</sup> (8hr TWA) and 19 mg/m <sup>3</sup> (15 minute STEL). Camphor is referred to as boran-2-one 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 gloves.
<b>Skin Protection</b>	None necessary during normal handling and use.
<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 yellow liquid with a pleasant odour.		
<b>pH</b>	4.9 at 20°C	<b>Solubility in Water</b>	Miscible.
<b>Density</b>	1.0g/cm <sup>3</sup> at 20°C	<b>Solubility in Other Solvents</b>	Not determined.
<b>Flash Point</b>	49°C (open cup)	<b>Explosive Properties</b>	None.
<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 applicable.	<b>Evaporation Rate</b>	Not determined.
<b>Vapour Pressure</b>	Not applicable.	<b>Partition Coefficient</b>	Not applicable.
<b>Viscosity</b>	Not determined.	<b>Other Data</b>	None known.

### TYPE S SUNSHINE NA



14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)				
UN No.	Not classified.	Tremcard Reference No.	Not required.	RIS Code
Transport Category	Not required.	UK Hazchem EAC	Not required.	CS10514
ADR 2007 (International Road) Proper Shipping Name Limited Quantity Exemptions Special Requirements	Class Not required.		ADR HIN Not required.	Labels  Not required.
	Packing Group Not required.			
IMDG 2006 (Sea) Proper Shipping Name Limited Quantity Exemptions Special Requirements	Class Not required.		IMDG EMS Not required.	Labels  Not required.
	Packing Group Not required.			
Note for Transport	Local, State or National requirements may apply to the carriage of this product.			

15 REGULATORY INFORMATION (HEALTH AND SAFETY INFORMATION (SEE ALSO BOX 2))	
Safety Phrases	S25 Avoid contact with eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S46 If swallowed, seek medical advice immediately and show this container or label.
Additional Label Phrases	Not required.
Legislation	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	
Packaging Information	2 x 5L plastic bottles. Supplied in an outer cardboard box.
Revisions	Changes have been made to the content of boxes 01, 14 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 04.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	R11 : Highly flammable. R20 : Harmful by inhalation. R22 : Harmful if swallowed. R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed. R36/38 : Irritating to eyes and skin. R38 : Irritating to skin. R39/23/24/25 : Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R41 : Risk of serious damage to eyes. R50 : Very toxic to aquatic organisms. R68/22 : Harmful: possible risk of irreversible effects if swallowed.

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**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 material(s) or any other use than that specified herein. Rentokil Initial UK Ltd is not liable for the use of this product for any other purpose than that described in this safety data sheet. This does not affect your statutory rights. It is the user's responsibility to satisfy him/herself as to the suitability in completeness of such information for his/her own particular use.

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