

# Safety Data Sheet

NOTE: Access to a copy of this Safety Data Sheet (SDS) via our Website does not constitute the issue of a controlled Copy under EU legislation. To be issued with such a copy please contact Rentokil Initial at the address below by telephone, fax or in writing. In order to confirm the latest version of the SDS for this product see web: [www.ri-research.com](http://www.ri-research.com) and click on Technical Information / Product Safety.

**REVISION (see box 16)**

Issue : 05 14 : 08 : 2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
<b>Product Name</b>	<b>IT 631</b>
<b>Description</b>	Antifreeze for use by service staff in sealed water systems as in food factories. Product is a colourless, slightly viscous liquid with a slight odour.
<b>Company</b>	Rentokil Initial Supplies, Webber Road, Knowsley Industrial Park, Liverpool, L33 7SR. For general enquiries telephone: +44 (0) 151 548 5050. For safety or regulatory enquiries telephone: + 44 (0) 1342 833 022.

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>
None 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
>50.0 ≤100.0	Propylene glycol* / propane-1,2-diol EINECS : 200-338-0 CAS : 57-55-6	Not classified.

IT 631

<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, dry powder or water spray. Do NOT use a water jet.
<b>Special Fire-Fighting Procedures</b>	Wear self-contained breathing apparatus and suitable personal protective equipment.
<b>Special Exposure Hazards</b>	Combustion may produce carbon oxides, carbonyl compounds, dioxalane derivatives and acetic acid.

<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</b>	Avoid contact with skin and eyes. Keep away from heat, sparks and flame.
<b>Storage</b>	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. Do not store above 40°C. Material is hygroscopic. Keep container tightly sealed.

<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 propylene glycol is 474 mg/m <sup>3</sup> long-term exposure (8 hour Time Weighted Average) (total vapour and particulates) and 10 mg/m <sup>3</sup> long-term exposure (8 hour Time Weighted Average) (particulates). Propylene glycol is referred to as propane-1,2-diol 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>	Not indicated by product classification.
<b>Breathing Protection</b>	Not indicated by product classification.
<b>Environmental Exposure Controls</b>	Use only in accordance with instructions given. An ecological hazard assessment indicates no specific restrictions on environmental release.

<b>9 PHYSICAL AND CHEMICAL PROPERTIES</b>			
<b>Appearance and Odour</b>	Colourless, slightly viscous liquid with a slight odour.		
<b>pH</b>	7	<b>Solubility in Water</b>	Miscible.
<b>Density</b>	1 g/cm <sup>3</sup> at 20°C	<b>Solubility in Other Solvents</b>	Not determined.
<b>Flash Point</b>	100°C	<b>Explosive Properties</b>	Lower explosion limit: 2.6% Upper explosion limit: 12.6%
<b>Flammability</b>	Non-flammable.	<b>Combustibility</b>	Combustible.
<b>Boiling Point/Range</b>	Starts at ca. 186°C	<b>Oxidising Properties</b>	Not determined.
<b>Vapour Density</b>	2.6	<b>Evaporation Rate</b>	Not determined.
<b>Vapour Pressure</b>	0.1 mmHg at 20°C	<b>Partition Coefficient</b>	Log Pow: 0.92
<b>Viscosity</b>	Not applicable.	<b>Other Data</b>	Freezing point range starts at -58°C



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

<b>UN No.</b>	Not classified.	<b>Tremcard Reference No.</b>	Not required.	<b>RIS Code</b>
<b>Transport Category</b>	Not required.	<b>UK Hazchem EAC</b>	Not required.	PIT631
<b>ADR 2005 (International Road)</b>	<b>Class</b> Not required.	<b>ADR HIN</b>	Not required.	<b>Labels</b>
<b>Proper Shipping Name</b>	Not required.			Not required.
<b>Limited Quantity Exemptions</b>	Not required.			
<b>Special Requirements</b>	Not required.	<b>Packing Group</b>	Not required.	
<b>IMDG 2004 (Sea)</b>	<b>Class</b> Not required.	<b>IMDG EMS</b>	Not required.	
<b>Proper Shipping Name</b>	Not required.			Not required.
<b>Limited Quantity Exemptions</b>	Not required.			
<b>Special Requirements</b>	Not required.	<b>Packing Group</b>	Not required.	
<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>	Safety phrases are not required.
<b>Additional Label Phrases</b>	Safety data sheet available for professional user on request.
<b>Legislation</b>	<p>Labelling is in accordance with UK regulations implementing the EC Directive 1999/45.</p> <p>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.</p> <p>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.</p>

**16 Other Information and indication of revisions**

<b>Packaging Information</b>	A 12.5 litre, plastic container with a screw top.
<b>Revisions</b>	Changes have been made to the content of boxes 1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 04.
<b>Risk phrase text</b> (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	Risk phrases are not required.

**IT 631**

SDS No. 285

Issue : 05

14 : 08 : 2006

Page 4 of 4

**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.

Copyright © (2006) Rentokil Initial plc, R&amp;D, Felcourt, East Grinstead, West Sussex. RH19 2JY. United Kingdom.

Telephone: +44 (0) 1342 833022 Fax: +44 (0) 1342 326229 Web: [www.ri-research.com](http://www.ri-research.com)