

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 and click on Technical Information / Product Safety.

REVISION (see box 16)

Issue : 02 01 : 07 : 2004

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
PRODUCT NAME	PR19 DETERGENT BACTERICIDE (2% aqueous solution)
DESCRIPTION	A clear, pale yellow liquid, broad-spectrum detergent bactericide with a minimal odour. Applied by spray and used as a final rinse and sanitizer especially on food preparation surfaces.
COMPANY	Rentokil Initial Supplies, Head office: Felcourt, East Grinstead, West Sussex. RH19 2JY. United Kingdom. Telephone: +44 (0)1342 833022 Facsimile: +44 (0)1342 326229

2 HAZARD IDENTIFICATION
CLASSIFICATION AND DANGER SYMBOL (SUPPLY – USE) : IN COMPLIANCE WITH EC DIRECTIVE 1999/45.
Not classified
ADVERSE PHYSICAL, CHEMICAL, SIGNIFICANT HUMAN HEALTH AND ENVIRONMENTAL EFFECTS (SEE ALSO BOX 11):
No significant adverse physical or chemical effects expected. May cause irritation to eyes and skin, especially on prolonged contact. Adverse effects on the environment are unlikely, provided that the product is used as intended.

3 COMPOSITION / INFORMATION ON INGREDIENTS (SEE ALSO BOX 16)		
% w/w	COMMON*/CHEMICAL NAME, ELINCS/EINECS & CAS NO. OF INGREDIENTS	EC 1999/45 CLASSIFICATION
≤1.0	Isopropyl alcohol* / propan-2-ol CAS : 67-63-0 EINECS : 200-661-7	F : R11 Xi : R36 R67

4 FIRST-AID MEASURES (SEE ALSO "ADVERSE EFFECTS" IN BOX 2)	
INHALATION	Remove patient to fresh air, keep warm and at rest. Apply supportive measures if necessary and seek medical attention.
EYE CONTACT	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.
SKIN CONTACT	Remove and wash contaminated clothing immediately. Wash affected area thoroughly with soap and water. If the patient feels unwell seek medical advice.
INGESTION (SWALLOWING)	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.
EMERGENCY EQUIPMENT SUGGESTED	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".
NOTE TO DOCTOR	Further information on all Rentokil Initial formulations is lodged with the National Poisons Information Service in the UK. Telephone +44 (0) 870 600 6266 - 24 hours.

5 FIRE FIGHTING MEASURES	
FIRE EXTINGUISHER TYPE	Use carbon dioxide, dry powder, foam or water-fog extinguishers.
SPECIAL FIRE-FIGHTING PROCEDURES	Wear suitable personal protective equipment.
SPECIAL EXPOSURE HAZARDS	Thermal decomposition may produce toxic fumes of hydrogen chloride and oxides of nitrogen.

6 ACCIDENTAL RELEASE MEASURES	
PERSONAL PRECAUTIONS (See also box 8)	Wear suitable personal protective equipment.
ENVIRONMENTAL PRECAUTIONS	DO NOT contaminate watercourses or ground.
CLEAN-UP PROCEDURE (See also box 13)	Absorb spill with an inert material such as sand, earth or sawdust. Transfer to a suitable container for subsequent disposal.

7 HANDLING AND STORAGE	
HANDLING	Avoid contact with skin and eyes.
STORAGE	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.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION (SEE ALSO BOX 7)	
EXPOSURE STANDARD - DIRECTIVE EC/98/24 (1ST IOELV DIRECTIVE)	OES for isopropyl alcohol is 999 mg/m ³ long-term exposure (8 hour Time Weighted Average) and 1250 mg/m ³ short-term exposure (15 minute reference period). Isopropyl alcohol is referred to as propan-2-ol in Directive EC/98/24 (1 st IOELV Directive).
ENGINEERING CONTROLS	Where prevention of exposure is not reasonably practicable, adequate control of exposure should be achieved by engineering controls rather than the provision of personal protective equipment and clothing. More specific details cannot be given without carrying out a full risk assessment for each and every use scenario. Suitable and approved personal protective equipment and clothing may include the following item(s):
EYE PROTECTION	None necessary under normal working conditions.
HAND PROTECTION	None necessary under normal working conditions.
SKIN PROTECTION	None necessary under normal working conditions.
BREATHING PROTECTION	None necessary under normal working conditions.
ENVIRONMENTAL EXPOSURE CONTROLS	Product should be used in accordance with instructions given.

9 PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE AND ODOUR	A clear, pale yellow liquid with a minimal odour.		
pH	9.4 at 20°C	SOLUBILITY IN WATER	Miscible.
DENSITY	1.0 g/cm ³ at 20°C	SOLUBILITY IN FAT	Not determined.
FLASH POINT	Not determined.	EXPLOSIVE PROPERTIES	None.
FLAMMABILITY	Non-flammable.	COMBUSTIBILITY	Non-combustible.
AUTOFLAMMABILITY	Not applicable.	OXIDISING PROPERTIES	Not determined.
BOILING POINT/RANGE	Approx. 100°C	FREEZING POINT/RANGE	Not determined.
VAPOUR DENSITY	Not applicable.	EVAPORATION RATE	Not determined.
VAPOUR PRESSURE	Not applicable.	PARTITION COEFFICIENT	Not applicable.
VISCOSITY	Not determined.	OTHER DATA	None known.

PR19 DETERGENT BACTERICIDE (2% aqueous solution)

10 STABILITY AND REACTIVITY

CONDITIONS TO AVOID	Avoid extremes of temperature, e.g. below 0°C and above 40°C.
MATERIALS TO AVOID	None known.
HAZARDOUS BREAKDOWN PRODUCTS	Thermal decomposition may produce toxic fumes of hydrogen chloride and oxides of nitrogen.

11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)

ACUTE TOXICITY	ORAL	Not determined.
	INHALATION	Not determined.
	DERMAL	Not determined.
CORROSIVITY/ IRRITATION	SKIN	Prolonged contact may cause skin irritation.
	EYES	Prolonged contact may cause eye irritation.
	RESPIRATORY TRACT	Not determined.
SENSITISATION	SKIN	Contains no known skin sensitisers.
	RESPIRATORY	Contains no known respiratory sensitisers.
REPEAT-DOSE TOXICITY		Product does not contain any components known to have any effects relating to repeated-dose toxicity.
MUTAGENICITY		Product does not contain any components known to have a mutagenic effect.
CARCINOGENICITY		Product does not contain any components known to have a carcinogenic effect.
REPRODUCTIVE TOXICITY	FERTILITY	Product does not contain any components known to have effects on fertility.
	DEVELOPMENT	Product does not contain any components known to be toxic to the reproductive system.
OTHER INFORMATION		None known.

12 ECOLOGICAL INFORMATION

GENERAL INFORMATION	The full ecotoxicological profile of this product has not been evaluated. Do not contaminate the environment.
ECOTOXICITY DATA	Not determined.
MOBILITY	Not determined.
(of appropriate constituents)	
PERSISTENCE AND DEGRADABILITY	Not determined.
(of appropriate constituents)	
BIOACCUMULATIVE POTENTIAL	Not determined.
(of appropriate constituents)	
ENVIRONMENTAL CONSIDERATIONS	DO NOT contaminate watercourses or ground. This product does not contain any substances that are classified as dangerous to the environment present above the lower limits of concentration as specified in EC Directive 1999/45. Thus, when supplied, used and disposed of as directed this product is not expected to present a danger to the environment.
OTHER ADVERSE EFFECTS	None.

13 DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTE	Waste should be disposed of in accordance with local, State or National requirements.
DISPOSAL OF CONTAINERS:	Empty containers should be disposed of in accordance with local, State or National requirements.
CLASSIFICATION OF INGREDIENTS. (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	<u>Hazard Code</u> : Not classified. <u>Components making the waste hazardous</u> <u>Concentrations (%)</u> : Not required.
NOTE FOR DISPOSAL	Disposal should be in accordance with local, State or National requirements. For further advice about disposal, in the UK, contact the local office of the Environment Agency (England and Wales) or Scottish Environment Protection Agency. Local rate from anywhere in the UK: 0845 9333111.

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.	Not applicable
ADR 2003 (INTERNATIONAL ROAD) PROPER SHIPPING NAME	CLASS Not required.	ADR HIN	Not required.	LABELS
LIMITED QUANTITY EXCEPTIONS	Not required.			Not required.
SPECIAL REQUIREMENTS	Not required.	PACKING GROUP	Not required.	
IMDG 2002 (SEA) PROPER SHIPPING NAME	CLASS Not required.	IMDG EMS	Not required.	
LIMITED QUANTITY EXCEPTIONS	Not required.			
SPECIAL REQUIREMENTS	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))	
HAZARD SYMBOLS	Not required.
INDICATION OF DANGER	Not required.
RISK PHRASES	Risk phrases are not required.
SAFETY PHRASES	Safety phrases are not required.
LEGISLATION	Labelling is according to UK regulations implementing the EC Directive 1999/45. Additional labelling requirements may be necessary in accordance with local legislation. Specific legislation used within this Safety Data Sheet is listed in the above boxes.

16 OTHER INFORMATION and indication of revisions	
The information given on this Safety Data Sheet (SDS) does not constitute an assessment in accordance with Control of Substances Hazardous to Health (COSHH) Regulations 2002, in the UK.	
Before using any product, ensure that you read and understand its label.	
Outside the UK, the registration of this product may be necessary before use and any additional local requirements must be observed at all times.	
REVISIONS	Changes have been made to the content of boxes 1, 2, 3, 4, 6, 8, 9, 11, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 01.
RISK PHRASE TEXT (from box 3)	Risk phrases are not required.

PR19 DETERGENT BACTERICIDE (2% aqueous solution)

SDS No. 689

Issue : 02

01 : 07 : 2004

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 © (2004) Rentokil Initial plc, R&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