

# Safety Data Sheet

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**REVISION (see box 16)**

Issue : 08 01 : 07 : 2004

<b>1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY</b>	
<b>PRODUCT NAME</b>	<b>PR19 DETERGENT BACTERICIDE</b>
<b>DESCRIPTION</b>	A clear, pale yellow, liquid, broad-spectrum, detergent bactericide concentrate with a minimal odour. Applied as a final rinse and sanitizer especially on food preparation surfaces. For use in Rentokil Initial's Catering Hygiene Service.
<b>COMPANY</b>	Rentokil Initial Supplies, Head office: Felcourt, East Grinstead, West Sussex. RH19 2JY. United Kingdom. Telephone: +44 (0)1342 833022 Facsimile: +44 (0)1342 326229

<b>2 HAZARD IDENTIFICATION</b>
<b>CLASSIFICATION AND DANGER SYMBOL (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>
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.

<b>3 COMPOSITION / INFORMATION ON INGREDIENTS (SEE ALSO BOX 16)</b>		
<b>% w/w</b>	<b>COMMON*/CHEMICAL NAME, ELINCS/EINECS &amp; CAS NO. OF INGREDIENTS</b>	<b>EC 1999/45 CLASSIFICATION</b>
>1.0 ≤2.5	DDAC* / N,N-didecyl-N,N-dimethyl ammonium chloride CAS : 7173-51-5 EINECS : 230-525-2	X <sub>n</sub> : R22 C : R34
> 2.5 ≤10.0	Non-ionic surfactant* / alcohol ethoxylate CAS : 68439-46-3	X <sub>n</sub> : R22 X <sub>i</sub> : R36/38
>1.0 ≤2.5	EDTA tetrasodium* / ethylenediaminetetraacetic acid tetrasodium salt CAS : 64-02-8 EINECS : 200-573-9	X <sub>n</sub> : R22 X <sub>i</sub> : R36 N : R52/53
≤1.0	Sodium nitrite CAS : 7632-00-0 EINECS : 231-555-9	O : R8 T : R25 N : R50
≤1.0	Isopropyl alcohol* / propan-2-ol CAS : 67-63-0 EINECS : 200-661-7	F : R11 X <sub>i</sub> : R36 R67

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<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. Telephone +44 (0) 870 600 6266 - 24 hours.

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

<b>6 ACCIDENTAL RELEASE MEASURES</b>	
<b>PERSONAL PRECAUTIONS (See also box 8)</b>	Wear suitable personal protective equipment.
<b>ENVIRONMENTAL PRECAUTIONS</b>	DO NOT contaminate watercourses or ground with large quantities of undiluted product.
<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</b>	
<b>HANDLING</b>	Wash hands thoroughly with soap and water after handling. Avoid contact with skin and eyes.
<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.

<b>8 EXPOSURE CONTROLS/PERSONAL PROTECTION (SEE ALSO BOX 7)</b>	
<b>EXPOSURE STANDARD - DIRECTIVE EC/98/24 (1<sup>ST</sup> IOELV DIRECTIVE)</b>	OES for isopropyl alcohol is 999 mg/m <sup>3</sup> long-term exposure (8 hour Time Weighted Average) and 1250 mg/m <sup>3</sup> short-term exposure (15 minute reference period). Isopropyl alcohol is referred to as propan-2-ol in Directive EC/98/24 (1 <sup>ST</sup> IOELV Directive).
<b>ENGINEERING CONTROLS</b>	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):
<b>EYE PROTECTION</b>	None necessary under normal working conditions.
<b>HAND PROTECTION</b>	None necessary under normal working conditions.
<b>SKIN PROTECTION</b>	None necessary under normal working conditions.
<b>BREATHING PROTECTION</b>	None necessary under normal working conditions.
<b>ENVIRONMENTAL EXPOSURE CONTROLS</b>	Product should be used in accordance with instructions given.

<b>9 PHYSICAL AND CHEMICAL PROPERTIES</b>			
<b>APPEARANCE AND ODOUR</b>	A clear, pale yellow liquid with a minimal odour.		
<b>pH</b>	11.0 at 20°C	<b>SOLUBILITY IN WATER</b>	Miscible.
<b>DENSITY</b>	1.0 g/cm <sup>3</sup> at 20°C	<b>SOLUBILITY IN FAT</b>	Immiscible.
<b>FLASH POINT</b>	>100°C	<b>EXPLOSIVE PROPERTIES</b>	Not determined.
<b>FLAMMABILITY</b>	Non-flammable.	<b>COMBUSTIBILITY</b>	Not determined.
<b>AUTOFLAMMABILITY</b>	Not applicable.	<b>OXIDISING PROPERTIES</b>	Not determined.
<b>BOILING POINT/RANGE</b>	Starts at ca. 82.5°C (isopropyl alcohol)	<b>FREEZING POINT/RANGE</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.

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## 10 STABILITY AND REACTIVITY

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

## 11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)

<b>ACUTE TOXICITY</b>	ORAL	For DDAC : LD <sub>50</sub> (rat) : 645 mg/kg.
	INHALATION	Not determined.
	DERMAL	Not determined.
<b>CORROSIVITY/IRRITATION</b>	SKIN	Prolonged contact may cause skin irritation.
	EYES	Prolonged contact may cause eye irritation.
	RESPIRATORY TRACT	Inhalation of vapours may cause irritation to the respiratory system.
<b>SENSITISATION</b>	SKIN	Contains no known skin sensitisers.
	RESPIRATORY	Contains no known respiratory sensitisers.
<b>REPEAT-DOSE TOXICITY</b>		Product does not contain any components known to have any effects relating to repeated-dose toxicity.
<b>MUTAGENICITY</b>		Product does not contain any components known to have a mutagenic effect.
<b>CARCINOGENICITY</b>		Product does not contain any components known to have a carcinogenic effect.
<b>REPRODUCTIVE TOXICITY</b>	FERTILITY DEVELOPMENT	Product does not contain any components known to have effects on fertility.
<b>OTHER INFORMATION</b>		Product does not contain any components known to be toxic to the reproductive system.
		None known.

## 12 ECOLOGICAL INFORMATION

<b>GENERAL INFORMATION</b>	The full ecotoxicological profile of this product has not been evaluated. Do not contaminate the environment.
<b>ECOTOXICITY DATA</b>	Data for DDAC: <b>Fish:</b> LC <sub>50</sub> (96h): 1 mg/L (Rainbow trout) NOEC (21d): 0.041 mg/L (Rainbow trout) <b>Daphnia:</b> EC <sub>50</sub> (48h): 0.094 mg/L NOEC (21d): 0.010 mg/L <b>Algae:</b> EC <sub>50</sub> (96h): 0.026 mg/L ( <i>Selenastrum sp.</i> ) <b>Bacteria:</b> EC <sub>10</sub> (16h): 0.13 mg/L ( <i>Pseudomonas sp.</i> ) EC50 (3h): 11 mg/L (activated sludge) <b>Earthworm:</b> NOEC (14d): ≥1000 mg/kg
<b>MOBILITY (of appropriate constituents)</b>	Not determined.
<b>PERSISTENCE AND DEGRADABILITY (of appropriate constituents)</b>	Data for DDAC: OECD Confirmatory Test: 91% (24 – 70 days). Zahn-Wellens Test: 87 – 94 % (28 days) Die-Away Test: 90 % (28 days) CO <sub>2</sub> Evolution: 81 % (28 days)
<b>BIOACCUMULATIVE POTENTIAL (of appropriate constituents)</b>	Data for DDAC: Not bioaccumulative. Bioconcentration factor (BCF): 81,00 Species: Bluegill sunfish; Exposure time 46 d; Method: EPA-FIFRA.
<b>ENVIRONMENTAL CONSIDERATIONS</b>	DO NOT contaminate watercourses or ground. The sodium nitrite is classified as very toxic to aquatic organisms and the EDTA tetrasodium is classified as harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. When supplied, used and disposed of as directed this product is not expected to present a danger to the environment.
<b>OTHER ADVERSE EFFECTS</b>	None.

## 13 DISPOSAL CONSIDERATIONS

<b>DISPOSAL OF WASTE</b>	Waste should be disposed of in accordance with local, State or National requirements.
<b>DISPOSAL OF CONTAINERS:</b>	Empty containers should be disposed of in accordance with local, State or National requirements.
<b>CLASSIFICATION OF INGREDIENTS. (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))</b>	<u>Hazard Code:</u> Not classified. <u>Components making the waste hazardous Concentrations (%):</u> Not required.
<b>NOTE FOR DISPOSAL</b>	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.

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<b>14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)</b>				
<b>UN No.</b>	Not Classified.	<b>TREMCARD REFERENCE No.</b>	Not required.	<b>RIS CODE</b> PSP01
<b>TRANSPORT CATEGORY</b>	Not required.	<b>UK HAZCHEM EAC</b>	Not required.	
<b>ADR 2003 (INTERNATIONAL ROAD) PROPER SHIPPING NAME LIMITED QUANTITY EXCEPTIONS SPECIAL REQUIREMENTS</b>	<b>CLASS</b> Not required.	<b>ADR HIN</b>	Not required	<b>LABELS</b> Not required.
<b>IMDG 2002 (SEA) PROPER SHIPPING NAME LIMITED QUANTITY EXCEPTIONS SPECIAL REQUIREMENTS</b>	<b>CLASS</b> Not required.	<b>IMDG EMS</b>	Not required.	
<b>NOTE FOR TRANSPORT</b>	Local, State or National requirements may apply to the carriage of this product.			

<b>15 REGULATORY INFORMATION (HEALTH AND SAFETY INFORMATION (SEE ALSO BOX 2))</b>	
<b>HAZARD SYMBOLS</b>	Not required.
<b>INDICATION OF DANGER</b>	Not required.
<b>RISK PHRASES</b>	Risk phrases are not required.
<b>SAFETY PHRASES</b>	Safety phrases are not required.
<b>LEGISLATION</b>	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.

<b>16 OTHER INFORMATION and indication of revisions</b>	
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.	
<b>Before using any product, ensure that you read and understand its label.</b>	
Outside the UK, the registration of this product may be necessary before use and any additional local requirements must be observed at all times.	
<b>REVISIONS</b>	Changes have been made to the content of boxes 1, 2, 3, 5, 6, 7, 8, 9, 12, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 07.
<b>RISK PHRASE TEXT (from box 3)</b>	Risk phrases are not required. R8 : Contact with combustible material may cause fire. R11 : Highly flammable. R22 : Harmful if swallowed. R25 : Toxic if swallowed. R34 : Causes burns. R36 : Irritating to eyes. R36/38 : Irritating to eyes and skin. R50 : Very toxic to aquatic organisms. R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment R67 : Vapours may cause drowsiness and dizziness.

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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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