

Safety Data Sheet

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REVISION (see box 16)

Issue : 03 05 : 09 : 2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
Product Name	RX51 HEAVY DEGREASANT (20% aqueous solution)
Description	A degreasant for use by Rentokil Initial service staff. A clear light blue liquid with a mild odour.
Company	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: 0151 548 5050. Emergency line: 01342 833 022.

2 HAZARD IDENTIFICATION	
Classification (Supply – Use) : In compliance with EC Directive 1999/45.	
C Corrosive	R34 Causes burns.
Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):	
Will cause burns to skin and eyes on contact. Inhalation of vapours may cause irritation to the respiratory tract and other mucous membranes.	
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	
≤1.0	Caustic potash*/Potassium hydroxide EINECS : 215-181-3 CAS : 1310-58-3	C : R35 X _n : R22	
≤1.0	Non ionic surfactant*/alcohol ethoxylate EINECS : Not listed. CAS : 68439-46-3	X _i : R41 X _n : R22	
≤1.0	Non ionic surfactant*/Isotridecanol ethoxylate EINECS : Not listed. CAS : 24938-91-8	X _i : R41 X _n : R22	
≤1.0	Amphorteric surfactant*/ Beta-alanine, N-(2-carboxyethyl)-N-dodecyl monosodium salt EINECS : 290-476-8 CAS : 90170-43-7	X _i : R36	
≤1.0	Cationic surfactant*/ Alkyl dimethyl benzylammonium chloride EINECS : 273-544-1 CAS : 68989-00-4	C : R34 X _n : R22	

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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.

5 FIRE FIGHTING MEASURES	
Fire Extinguisher Type	Use carbon dioxide, foam, water, or dry powder extinguishers.
Special Fire-Fighting Procedures	Wear suitable personal protective equipment.
Special Exposure Hazards	When heated to decomposition carbon monoxide and carbon dioxide may be released.

6 ACCIDENTAL RELEASE MEASURES	
Personal Precautions (See also box 8)	Wear suitable personal protective equipment.
Environmental Precautions	Keep away from drains, surface and ground water, and soil.
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 (SEE ALSO BOX 8)	
Handling Storage	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.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
Exposure Standard - Directive EC/98/24 (1st IOELV Directive)	Workplace Exposure Limit (WEL) for caustic potash 2 mg/m ³ short-term exposure (15 minute reference period). Caustic potash is referred to as potassium hydroxide in Directive EC/98/24 (1 st IOELV Directive).
Engineering Controls	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:
Eye Protection	Suitable eye protection such as goggles.
Hand Protection	Suitable hand protection such as gloves.
Skin Protection	Suitable skin protection such as coveralls.
Breathing Protection	Do not breathe vapour, otherwise wear suitable respiratory protection.
Environmental Exposure Controls	Use only in accordance with instructions given

9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance and Odour	A clear light blue liquid with a mild odour.		
pH	12.6 at 20°C	Solubility in Water	Miscible.
Specific Gravity	1.0 at 20°C	Solubility in Other Solvents	Not determined.
Flash Point	Not determined.	Explosive Properties	None known.
Flammability	Non-flammable.	Combustibility	Non-combustible.
Boiling Point/Range	Starts at ca. 100°C (water).	Oxidising Properties	None known.
Vapour Density	Not determined.	Evaporation Rate	Not determined.
Vapour Pressure	Not determined.	Partition Coefficient	Not applicable.
Viscosity	Not determined.	Other Data	None known.

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10 STABILITY AND REACTIVITY

Conditions to avoid	Avoid extremes of temperature, e.g. below 0°C and above 40°C.
Materials to avoid	Avoid contact with strong acids.
Hazardous Breakdown Products	When heated to decomposition carbon monoxide and carbon dioxide may be released.

11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)


Acute Toxicity	Oral	Not determined.
	Inhalation	Not determined.
	Dermal	Not determined.
Corrosivity/Irritation	Skin	Causes burns to skin.
	Eyes	Causes burns to eyes.
	Respiratory tract	Inhalation of vapours may cause irritation to respiratory tract and other mucous membranes.
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	This product does not contain any substances that are classified as dangerous to the environment. Controlled release of this product is not expected to cause environmental contamination. Use only in accordance with instructions given.
Ecotoxicity Data	Not determined.
Mobility	Not determined.
Persistence and Degradability	The surfactants contained in the preparation comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Bioaccumulative Potential	Not determined.
Other Adverse Effects	None known.

13 DISPOSAL CONSIDERATIONS

Disposal of Waste / Containers	Under normal circumstances, waste / empty containers will be disposed of by Rentokil Initial.
Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	<u>Hazard Code:</u> H8 - Corrosive <u>Components making the waste hazardous</u> Potassium hydroxide
Note for Disposal	<u>Concentrations (%):</u> ≤1 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: +44 (0) 870 850 6506.

14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)				
UN No.	UN1760	Tremcard Reference No.	CEFIC TEC (R)- 80GC9-II+III	RIS Code
Transport Category	2	UK Hazchem EAC	2X	N/A
ADR 2005 (International Road)	Class 8	ADR HIN	80	Labels
Proper Shipping Name	CORROSIVE LIQUID N.O.S. (contains potassium hydroxide, C12-C14 alkyl dimethyl benzylammonium chloride).			
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 1 litre. Maximum quantity per outer package is 30 litres. Combination packs only.			
Special Requirements	Not required. Packing Group II			
IMDG 2004 (Sea)	Class Not required.	IMDG EMS	F-A, S-B	
Proper Shipping Name	CORROSIVE LIQUID N.O.S. (contains potassium hydroxide, C12-C14 alkyl dimethyl benzylammonium chloride).			
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 1 litre. Maximum quantity per outer package is 30 litres. Combination packs only.			
Special Requirements	Not required. Packing Group II			
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	<p>S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p> <p>S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.</p> <p>S38 : In case of insufficient ventilation wear suitable respiratory equipment.</p> <p>S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).</p> <p>S35 : This material and its container must be disposed of in a safe way.</p>
Additional Label Phrases	Not required.
Legislation	<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) does not 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	
Packaging Information	Diluted from concentrate into a 0.5L plastic trigger spray.
Revisions	Changes have been made to the content of boxes 01, 02, 03, 05, 06, 07, 08, 09, 11, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 02.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	<p>R22 : Harmful if swallowed.</p> <p>R34 : Causes burns.</p> <p>R35 : Causes severe burns.</p> <p>R36 : Irritating to eyes.</p> <p>R41 : Risk of serious damage to eyes.</p>

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

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