

Safety Data Sheet

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REVISION (see box 16)

Issue : 06 15 : 06 : 2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
Product Name	BT 130
Description	A blend of sludge dispersant and conditioning agents for use in boiler treatments by Rentokil Initial service technicians. BT 130 is a clear straw- coloured liquid, with a slight odour.
Company	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 833022.

2 HAZARD IDENTIFICATION	
Classification (Supply – Use) : In compliance with EC Directive 1999/45.	
X_i Irritant	R43 May cause sensitisation by skin contact.
Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):	
No significant adverse physical or chemical effects expected from use of this product. Ingestion may cause nausea, vomiting and diarrhoea. May cause sensitisation by skin contact so that subsequent exposure causes a severe skin reaction. Prolonged or repeated exposure may cause irritation to skin and eyes. 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
≤0.1	Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazol-3-one (3:1). EINECS : CIT: 247-500-7 MIT:220-239-236 CAS : 55965-84-9	T : R23/24/25 R34 R43 N : R50,53

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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 water, carbon dioxide, foam or dry powder extinguishers.
Special Fire-Fighting Procedures	Wear suitable personal protective equipment.
Special Exposure Hazards	None.

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	Avoid contact with skin. 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)	Not assigned.
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 gloves.
Skin Protection	Suitable skin protection such as coveralls.
Breathing Protection	None necessary during normal handling and use.
Environmental Exposure Controls	Use only in accordance with instructions given.

9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance and Odour	A clear to pale straw coloured liquid, with a very faint odour.		
pH	6.1 at 20°C	Solubility in Water	Miscible.
Density	1.1- 1.2 g/cm ³ at 20°C	Solubility in Other Solvents	Not determined.
Flash Point	Not determined.	Explosive Properties	Not determined.
Flammability	Non-flammable.	Combustibility	Non-combustible.
Boiling Point/Range	Not determined.	Oxidising Properties	Not determined.
Vapour Density	Not determined.	Evaporation Rate	Not determined.
Vapour Pressure	Not applicable.	Partition Coefficient	Not applicable.
Viscosity	Not determined.	Other Data	None known.

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 acids and oxidising agents.
Hazardous Breakdown Products	None.

11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)

Acute Toxicity	Oral	Ingestion may cause nausea, vomiting and diarrhoea.
	Inhalation	No relevant data available.
	Dermal	No relevant data available.
Corrosivity/Irritation	Skin	May cause irritation on contact with skin.
	Eyes	May cause irritation on contact with eyes.
	Respiratory tract	May cause irritation to the respiratory tract.
Sensitisation	Skin	Contains less than 0.1% skin sensitisers in the form of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazol-3-one (3:1).
	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 present above the lower limits of concentration as specified in EC Directive 1999/45. Controlled release of this product is not expected to cause environmental contamination. Use only in accordance with instructions given.
Ecotoxicity Data	No relevant data available.
Mobility	No relevant data available.
Persistence and Degradability	Not expected to persist in the environment.
Bioaccumulative Potential	Not expected to bioaccumulate.
Other Adverse Effects	May act as a plant nutrient or precipitate heavy metals.

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))	Not classified.
Note for Disposal	<u>Components making the waste hazardous</u> <u>Concentrations (%)</u> : Not required. 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.	Not classified.	Tremcard Reference No.	Not required.	RIS Code
Transport Category	Not required.	UK Hazchem EAC	Not required.	PBT130
ADR 2005 (International Road) Proper Shipping Name	Class Not required.	ADR HIN	Not required.	Labels Not required.
Limited Quantity Exemptions	Not required.			
Special Requirements	Not required.	Packing Group	Not required.	
IMDG 2004 (Sea) Proper Shipping Name	Class Not required.	IMDG EMS	Not required.	
Limited Quantity Exemptions	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))	
Safety Phrases	S24 Avoid contact with skin. S36 Wear suitable protective clothing. S37 Wear suitable gloves. S39 Wear eye/face protection.
Additional Label Phrases	Contains a mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazol-3-one (3:1). May produce an allergic reaction.
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) 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.

16 Other Information and indication of revisions	
Packaging Information	A plastic 12.5 litre container with a screw top.
Revisions	Changes have been made to the content of boxes 01, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 05.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	R23/24/25: Toxic by inhalation, in contact with skin and if swallowed. R34 : Causes burns. R43 : May cause sensitisation by skin contact. R50,53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic Environment.

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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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