

Safety Data Sheet

DATE : 01 : 10 : 2002

REVISION (see box 16)

ISSUE NO : 04

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME	: BIOLOGICAL DRAIN MAINTENANCE FLUID
DESCRIPTION	: A translucent, brown to beige coloured liquid containing stabilised enzymes with bacteria and no distinctive odour. Applied by means of dosing equipment for the treatment of drain lines and grease traps.
COMPANY	: Rentokil Initial UK Ltd, Hygiene Division, Felcourt, East Grinstead, West Sussex. RH19 2JY. England. Telephone: +44 (0)1342 833022 Facsimile: +44 (0)1342 326229

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF PRODUCT (SUPPLY - Use)	UK CHIP 3 (The Chemicals (Hazard Information and Packaging for Supply) Regulations, 2002) / EC Directive 1999/45.	DANGER SYMBOL (UK CHIP 3):
NOT CLASSIFIED		NOT REQUIRED
ADVERSE PHYSICOCHEMICAL, HUMAN HEALTH AND ENVIRONMENTAL EFFECTS (see also box 11):		
Oxides of carbon may be evolved in the event of a fire.		
If in contact with eyes, irritation and redness may occur. Contact with skin may result in irritation and ingestion may cause nausea and vomiting.		
Adverse effects on the environment are unlikely, provided that the product is used as intended.		

3. COMPOSITION / INFORMATION ON INGREDIENT(S)

% w/w	COMMON*/CHEMICAL NAME, ELINCS / EINECS AND CAS No OF INGREDIENT(S)	UK CHIP 3 / EC 1999/45 CLASSIFICATION OF INGREDIENT(S)
≤2.5	Alcohol polyethylene glycol ether	X _n - Harmful : R22 : Harmful if swallowed. X _i - Irritant : R36/38 : Irritating to eyes and skin.

4. FIRST-AID MEASURES (see also "adverse effects" in box 2)

INHALATION (Breathing)	: 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 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	: For further information contact the National Poisons Information Service in the UK.

5. FIRE-FIGHTING MEASURES

FIRE EXTINGUISHER - TYPES	: Use water, foam, carbon dioxide or dry powder extinguishers.
SPECIAL FIRE-FIGHTING PROCEDURES	: Wear self-contained breathing apparatus and wear suitable personal protective equipment.
SPECIAL EXPOSURE HAZARDS	: Oxides of carbon may be evolved in the event of a fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS (see also box 8)	: Wear suitable personal protective equipment.
PROCEDURE (see also box 13)	: Small spillages can be flushed away with large amounts of water. Large spillages should be absorbed with an inert material such as sand, earth or sawdust and transferred to a suitable container for subsequent disposal. DO NOT contaminate watercourses or ground with large quantities of undiluted product.

7. HANDLING AND STORAGE (see also box 8)

HANDLING	: Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection.
STORAGE	: Store in original container in a cool, dry, ventilated place out of reach of children and away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (see also box 7)

OCCUPATIONAL EXPOSURE LIMITS	: Product does not contain any components present in concentrations at which occupational exposure limits need be disclosed under CHIP 3.
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	: Wear suitable eye protection such as goggles.
HAND PROTECTION	: Wear suitable hand protection such as synthetic rubber/PVC gloves.
SKIN PROTECTION	: Wear suitable skin protection such as coveralls.
BREATHING PROTECTION	: None necessary under normal working conditions.
ENVIRONMENTAL EXPOSURE CONTROLS	: Product should be used in accordance with instructions given in Hygiene Technical Manual and any spillage should be dealt with as a priority in order that contamination of watercourses or ground is avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR	: A translucent, brown to beige coloured liquid with no distinctive odour.		
FLASH POINT	: Not applicable.	SOLUBILITY IN WATER	: Soluble.
FLAMMABILITY	: Non-flammable.	SOLUBILITY IN FAT	: Product is designed to digest fat.
AUTOFLAMMABILITY	: Not applicable.	PARTITION COEFFICIENT	: Not applicable.
VAPOUR PRESSURE	: Not applicable.	BOILING POINT/RANGE	: Starts at ca. 100°C
SPECIFIC GRAVITY	: 1.01 at 20°C	MELTING POINT/RANGE	: Not applicable.
OXIDISING PROPERTIES	: None known.	pH	: 7.5 at 20°C
EXPLOSIVE PROPERTIES	: None known.	VAPOUR DENSITY	: Not applicable.
VISCOSITY	: Not available.	EVAPORATION RATE	: Not determined.
OTHER DATA	: None known.		

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	: Avoid extremes of temperature, eg. below 0°C and above 38°C.
MATERIALS TO AVOID	: Avoid contact with strong oxidising agents.
HAZARDOUS BREAKDOWN PRODUCTS	: May evolve oxides of carbon in the event of fire.

11. TOXICOLOGICAL INFORMATION (see also box 2)

ACUTE TOXICITY	Oral	: May cause nausea and vomiting.
	Inhalation	: Unlikely route of exposure, however, may cause irritation to the respiratory system.
	Dermal	: No data available.
CORROSIVITY / IRRITATION	Skin	: May cause irritation to skin.
	Eyes	: May cause irritation and redness to eyes.
	Respiratory tract	: With normal use should not present a hazard.
SENSITISATION	Skin	: Contains no known skin sensitisers.
	Respiratory	: Contains less than 1% respiratory sensitisers in the form of enzymes.
REPEATED-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 be toxic to the reproductive system, and having effects on fertility.
	Developmental	: Product does not contain any components known to be toxic to the reproductive system, and having effects on development.
OTHER INFORMATION		: Contains amylase and protease. May produce an allergic reaction.

12. ECOLOGICAL INFORMATION

GENERAL INFORMATION	: The full ecotoxicological profile of this product has not been evaluated. Do not contaminate the environment with large quantities of undiluted product.
ECOTOXICITY DATA	: No data available.
MOBILITY (of appropriate constituents)	: Contains biodegradable enzymes.
PERSISTENCE AND DEGRADABILITY (of appropriate constituents)	: No data available.
BIOACCUMULATIVE POTENTIAL (of appropriate constituents)	: No data available.
ENVIRONMENTAL CONSIDERATIONS	: DO NOT contaminate watercourses or ground with large quantities of undiluted product. This product does not contain any substances that are classified as dangerous to the environment. 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 known.

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.
UK SPECIAL WASTE REGULATIONS, 1996	: <u>Hazard Code</u> : Not applicable. <u>Components making the waste special and their concentrations</u> : Not applicable.
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)

<u>UN NUMBER</u> : Not required. <u>UK CDGRoad Transport Category</u> : Not required.	<u>UK HAZCHEM EAC</u> : Not required. <u>Tremcard Reference No.</u> : Not required.	<u>ADR HIN</u> : Not required. <u>IMDG EMS</u> : Not required.
<u>UK CDGCPL2 CARRIAGE</u> :		
CLASS :	Not applicable.	
PROPER SHIPPING NAME :	Not applicable.	
PACKING GROUP :	Not applicable.	
LIMITED QUANTITY EXEMPTIONS :	Not applicable.	
SPECIAL REQUIREMENTS :	Not applicable.	
LABELS :	Not applicable.	
<u>IMDG 2000 (SEA) CARRIAGE</u> :		
CLASS :	Not applicable.	
PROPER SHIPPING NAME :	Not applicable.	
PACKING GROUP :	Not applicable.	
LIMITED QUANTITY EXEMPTIONS :	Not applicable.	
SPECIAL REQUIREMENTS :	Not applicable.	
LABELS :	Not applicable.	
<u>ADR 2001 (ROAD) CARRIAGE</u> :		
CLASS :	Not applicable.	
PROPER SHIPPING NAME :	Not applicable.	
PACKING GROUP :	Not applicable.	
LIMITED QUANTITY EXEMPTIONS :	Not applicable.	
SPECIAL REQUIREMENTS :	Not applicable.	
LABELS :	Not applicable.	

15. REGULATORY INFORMATION

INDICATION OF DANGER	HEALTH AND SAFETY INFORMATION (see also box 2)
NOT CLASSIFIED	
SAFETY PHRASES :	Not required.
ADDITIONAL PHRASES :	Contains amylase and protease. May cause an allergic reaction. Safety data sheet available for professional user on request.
LEGISLATION :	This product is not classified, in the UK, under The Chemicals (Hazard Information and Packaging for Supply) Regulations, 2002 (CHIP 3), as dangerous for supply. This product is not classified, in the UK, under the Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles CDGCPL2 Regulations 1996, as dangerous for carriage.

16. OTHER INFORMATION and indication of revisions

<p>The information given on this Safety Data Sheet (SDS) does not constitute an assessment in accordance with the Control of Substances Hazardous to Health (COSHH) Regulations 1999.</p> <p>This product is to be used in accordance with the label and the Rentokil Hygiene Technical Manual.</p> <p>Changes have been made to the content of boxes 2, 3, 8, 11, 12, 13, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 3.</p>

<p>Before using any product, ensure that you read and understand its label.</p> <p>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.</p>
