

# Safety Data Sheet

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**REVISION (see box 16)**

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
<b>Product Name</b>	<b>DAMPCOURSE FLUID CONCENTRATE</b>
<b>Description</b>	A pale, straw coloured, odourless liquid concentrate used in the preparation of Dampcourse Fluid.
<b>Company</b>	Rentokil Initial UK Ltd, Property Care, Felcourt, East Grinstead, West Sussex. RH19 2JY. United Kingdom. Telephone:+44 (0) 1342 833022 Facsimile:+44 (0)1342 326229.

2 HAZARD IDENTIFICATION	
<b>Classification (Supply – Use) : In compliance with EC Directive 1999/45.</b>	
<b>C Corrosive</b>	R35 Causes severe burns.
<b>Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):</b>	
Product will be corrosive to non-ferrous metals (aluminium, copper, zinc and tin) and their alloys.	
Contact with eyes and skin causes severe burns. Ingestion may result in sore throat, difficulty in swallowing, nausea and vomiting. Inhalation of vapours may cause damage to the upper respiratory tract. In severe cases, corrosion of the upper digestive tract may occur.	

3 COMPOSITION / INFORMATION ON INGREDIENTS (SEE ALSO BOX 16)		
% w/w	Common*/Chemical Name, Elincs/Einecs & CAS No. of Ingredients	EC 1999/45 Classification
>10.0 ≤ 25.0	Potassium methyl siliconate* EINECS : 250-807-9 CAS : 31795-24-1	C : R35
>1.0 ≤ 2.5	Potassium hydroxide* EINECS : 215-181-3 CAS : 1310-58-3	C : R35 X <sub>n</sub> : R22

#### 4 FIRST-AID MEASURES (SEE ALSO "ADVERSE EFFECTS" IN BOX 2)

<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.

#### 5 FIRE FIGHTING MEASURES

<b>Fire Extinguisher Type</b>	Use carbon dioxide, foam, water, or dry powder extinguishers.
<b>Special Fire-Fighting Procedures</b>	Wear self-contained breathing apparatus and suitable personal protective equipment.
<b>Special Exposure Hazards</b>	None.

#### 6 ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions (See also box 8)</b>	Wear suitable personal protective equipment.
<b>Environmental Precautions</b>	Keep away from drains, surface and ground water, and soil.
<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.

#### 7 HANDLING AND STORAGE (SEE ALSO BOX 8)

<b>Handling</b>	Wear protective clothing in accordance with the safety regulations of Property Care when handling the product. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<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.

#### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Standard - Directive EC/98/24 (1<sup>st</sup> IOELV Directive)</b>	Workplace Exposure Limit (WEL) for potassium hydroxide is 2mg/m <sup>3</sup> short-term exposure (15 minute reference period).
<b>Engineering Controls</b>	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:
<b>Eye Protection</b>	Suitable eye protection such as goggles.
<b>Hand Protection</b>	Suitable hand protection such as gloves.
<b>Skin Protection</b>	Suitable skin protection such as coveralls.
<b>Breathing Protection</b>	Suitable respiratory protection if there is any risk of exposure.
<b>Environmental Exposure Controls</b>	This product should be used in accordance with the instructions given in the Property Care Health and Safety Manual for Service People and any spillage should be dealt with as a priority in order that contamination of watercourses or ground is avoided.

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<b>9 PHYSICAL AND CHEMICAL PROPERTIES</b>			
<b>Appearance and Odour</b>	A pale, straw coloured, odourless liquid concentrate.		
<b>pH</b>	13-14	<b>Solubility in Water</b>	Miscible
<b>Density</b>	1.15-1.16 g/cm <sup>3</sup>	<b>Solubility in Other Solvents</b>	Not determined.
<b>Flash Point</b>	Not applicable.	<b>Explosive Properties</b>	None.
<b>Flammability</b>	Non-flammable.	<b>Combustibility</b>	Non-combustible.
<b>Boiling Point/Range</b>	Starts at ca. 100°C	<b>Oxidising Properties</b>	None.
<b>Vapour Density</b>	Not applicable.	<b>Evaporation Rate</b>	Not determined.
<b>Vapour Pressure</b>	Not applicable.	<b>Partition Coefficient</b>	Not applicable.
<b>Viscosity</b>	Not determined.	<b>Other Data</b>	None known.

<b>10 STABILITY AND REACTIVITY</b>	
<b>Conditions to avoid</b>	Avoid extremes of temperature, e.g. below 0°C and above 40°C.
<b>Materials to avoid</b>	Avoid contact with strong acids and alcohols.
<b>Hazardous Breakdown Products</b>	None known.

<b>11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)</b>	
<b>Acute Toxicity</b> Oral	Potassium hydroxide: LD <sub>50</sub> (rat): 365mg/kg. Ingestion of product may result in sore throat, difficulty in swallowing, nausea and vomiting.
Inhalation	Inhalation of vapours may cause damage to the upper respiratory tract.
<b>Corrosivity/Irritation</b> Dermal	Not determined.
Skin	Product is corrosive and will cause severe burns to skin.
Eyes	Product is corrosive and will cause severe burns to eyes.
<b>Sensitisation</b> Respiratory tract	In severe cases, inhalation of vapours may cause corrosion of the upper digestive tract.
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	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.
<b>Other Information</b>	None known.

<b>12 ECOLOGICAL INFORMATION</b>	
<b>General Information</b>	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.
<b>Ecotoxicity Data</b>	Potassium hydroxide : LC <sub>50</sub> (mosquito fish) (96hr) : 39-56 mg/L Potassium methyl siliconate : EC <sub>50</sub> (Daphnia) (48hr) : 75 mg/L LC <sub>50</sub> ( <i>Brachydanio rerio</i> ) (96hr) : 548 mg/L
<b>Mobility</b>	Potassium methyl siliconate readily filters into soil with its ultimate destination in water.
<b>Persistence and Degradability</b>	Potassium methyl siliconate will hydrolyse in acidic conditions to form breakdown products that are not biodegradable
<b>Bioaccumulative Potential</b>	Not determined.
<b>Other Adverse Effects</b>	None known.

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### 13 DISPOSAL CONSIDERATIONS

<b>Disposal of Waste / Containers</b>	Under normal circumstances, waste / empty containers will be disposed of by Rentokil Initial.		
<b>Classification</b> (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	<u>Hazard Code:</u> H8 - Corrosive		
<b>Note for Disposal</b>	<u>Components making the waste hazardous</u> Potassium methyl silicate Potassium hydroxide	<u>Concentrations (%):</u> >10.0 ≤ 25.0 >1.0 ≤ 2.5	
	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)

<b>UN No.</b>	UN 1719	<b>Tremcard Reference No.</b>	CEFIC TEC (R)- 80GC5-II+III	<b>RIS Code</b>
<b>Transport Category</b>	2	<b>UK Hazchem EAC</b>	2R	NOT APPLICABLE
<b>ADR 2005 (International Road) Proper Shipping Name</b>	<b>Class 8</b> <b>ADR HIN</b> 80 CAUSTIC ALKALI LIQUID, N.O.S. (contains potassium hydroxide).			
<b>Limited Quantity Exemptions</b>	Maximum quantity per inner receptacle is 1 litre. Maximum quantity per outer package is 30kg. Combination packs only.			
<b>Special Requirements</b>	Not required. <b>Packing Group II</b>			
<b>IMDG 2004 (Sea) Proper Shipping Name</b>	<b>Class 8</b> <b>IMDG EMS</b> F-A, S-B CAUSTIC ALKALI LIQUID, N.O.S. (contains potassium hydroxide).			
<b>Limited Quantity Exemptions</b>	Maximum quantity per inner receptacle is 1 litre. Maximum quantity per outer package is 30kg. Combination packs only.			
<b>Special Requirements</b>	Not required. <b>Packing Group II</b>			
<b>Note for Transport</b>	Local, State or National requirements may apply to the carriage of this product.			

### 15 REGULATORY INFORMATION (HEALTH AND SAFETY INFORMATION (SEE ALSO BOX 2))

<b>Safety Phrases</b>	S26 S28 S35 S36/37/39 S45	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. This material and its container must be disposed of in a safe way. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<b>Additional Label Phrases</b>	Not required.	
<b>Legislation</b>	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) <b>does not</b> 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

<b>Packaging Information</b>	A white, UN approved, 5 litre, plastic jerrican with a screw top.
<b>Revisions</b>	Changes have been made to the content of boxes 1, 2, 3, 6, 7, 8, 9, 12, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 06.
<b>Risk phrase text</b> (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	R22 : Harmful if swallowed. R35 : Causes severe burns.

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