



SAFETY DATA SHEET

SILICONATE K

Revision 0
Revision date 24-Feb-2009

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name SILICONATE K
Company Wykamol Group Limited
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Hapton, Burnley
Lancashire. BB11 5TH
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Telephone 0845 400 6666
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients	Conc.	CAS	EINECS	Symbols/Risk phrases
Potassium hydroxide	1 - 10%	1310-58-3	215-181-3	Xn; R22 C; R35
Potassium Methyl Siliconate	30 - 40%	31795-24-1	250-807-9	C;R35/41

3. HAZARDS IDENTIFICATION

Main hazards Causes severe burns.

4. FIRST AID MEASURES

Skin contact Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Eye contact Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention.
Inhalation Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
Ingestion Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

5. FIRE FIGHTING MEASURES

Extinguishing media Use as appropriate: carbon dioxide (CO2), dry chemical, foam.
Fire hazards Corrosive. Burning produces irritating, toxic and obnoxious fumes.
Protective equipment Wear suitable respiratory equipment when necessary.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
Storage	Store securely in dry, frost free conditions. Once diluted, material will remain stable if kept in tightly sealed plastic drums with minimum head space. (i.e. 10 Litres of injection fluid should be kept in 2 x 5 Litre bottles for storage).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Potassium hydroxide	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: 2
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Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear: Self-contained breathing apparatus.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	Clear.
Odour	Characteristic.
Flammability limits	Non flammable
Relative density	1.25 - 1.30
Water solubility	miscible in water.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
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11. TOXICOLOGICAL INFORMATION

Toxicological information

Potassium hydroxide	Oral Rat LD50 = 273 mg/kg
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Corrosivity	Causes burns.
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12. ECOLOGICAL INFORMATION

Ecotoxicity

Potassium hydroxide	Fish LC50/24h = 44 mg/l
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13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
Disposal methods	Contact a licensed waste disposal company. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
Disposal of packaging	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

14. TRANSPORT INFORMATION

ADR/RID

UN 1719	Packing group II
Class 8	Hazard ID 80
Proper Shipping Name CAUSTIC ALKALI LIQUID, N.O.S. ,	

IMDG

UN 1719	Packing group II
Class 8	Marine pollutant .
EmS Code F-A S-B	

IATA

UN 1719	Packing group II
Class 8	Subsidiary risk -
Packing Instruction (Cargo) 813	Maximum quantity 30 L
Packing Instruction (Passenger) 809	Maximum quantity 1 L

15. REGULATORY INFORMATION

Labelling The product is classified in accordance with 67/548/EEC.

Symbols C - Corrosive



Risk phrases R35 - Causes severe burns.

Safety phrases S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 - After contact with skin, wash immediately with plenty of [].
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. OTHER INFORMATION

Text of risk phrases in Section 2 R22 - Harmful if swallowed.
R35 - Causes severe burns.

Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.