



SAFETY DATA SHEET

BRUNOSOL CONCENTRATE 6X

Revision 0
Revision date 24-Feb-2009

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name BRUNOSOL CONCENTRATE 6X
Company Wykamol Group Limited
Unit 3, Boran Court
Network 65 Business Park
Hapton, Burnley
Lancashire. BB11 5TH
sales@wykamol.com www.wykamol.com
Telephone 0845 400 6666
Emergency telephone number 0845 400 6666

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients	Conc.	CAS	EINECS	Symbols/Risk phrases
Sodium hydroxide	1 - 10%	1310-73-2	215-185-5	C; R35
2-Phenylphenol (ISO)	10 - 20%	90-43-7	201-993-5	Xi; R36/37/38 N; R50

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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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	Protect concentrate and dilute solution from extremes of temperature (Store at 5° - 25° C). Keep away from food, drink and animal feeding stuffs. Keep out of reach of children

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure limits**

Sodium 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	Amber.
Odour	Characteristic.
pH	12 - 13
Boiling point	Ca. 100°C
Flammability limits	Non flammable
Relative density	1.07 - 1.08
Water solubility	miscible in water.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Materials to avoid	Acids.

11. TOXICOLOGICAL INFORMATION**Toxicological information**

Sodium hydroxide	Oral Mouse LD50 = 40 mg/l
2-Phenylphenol (ISO)	Dermal Rat LD50 = >2000 mg/kg Oral Rat LD50 = 2980 mg/kg

Corrosivity	Causes burns.
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12. ECOLOGICAL INFORMATION**Ecotoxicity**

2-Phenylphenol (ISO) Daphnia EC50/48h = 0.38 mg/l
Brachydanio Rerio LC50/96h = 2.3 mg/l
Algae IC50/72h = 0.85 mg/l

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.

14. TRANSPORT INFORMATION

Further information The product is not classified as dangerous for carriage. Vehicles should provide secure storage area to contain spillage in the event of an accident.

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).

Further information Use only in accordance with Statutory Precautions given under the Control of Pesticides Regulations 1986. HSE No. 7325. Professional use only. FOR USE ONLY AS A SURFACE BIOCIDES.

16. OTHER INFORMATION

Text of risk phrases in Section 2 R35 - Causes severe burns.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R50 - Very toxic to aquatic organisms.

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.