

# SAFETY DATA SHEET



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## 1. PRODUCT HARD WATER CAUSTIC BASED DISHWASH DETERGENT

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## 2. GENERAL COMPOSITION

Sodium Hydroxide, Sequestrant, Phosphonate corrosion inhibitor.  
Contains Sodium Hydroxide in concentration range 10-12% w/w.  
(COSHH data for Sodium Hydroxide exposure LTEL 2 ppm over 8 hours, STEL 2 ppm over 10 minutes).

## APPLICATION

An alkaline solution containing a wetting agent.  
Suitable for use in all automatic dishwashing machines in line with manufacturers metering/dosing instructions.  
To obtain best results use with recommended rinse aid.

## 2. HAZARD IDENTIFICATION

Strong alkali, pH13.5-14.0  
Corrosive. Causes severe burns to eyes and skin (cpl risk 35).



**CORROSIVE**

## 4. FIRST AID MEASURES

**Eyes** Immediately irrigate the eyes with plenty of fresh water. Seek medical attention at once.

**Skin** After contact wash off immediately with plenty of water.

**Ingestion** Rinse mouth with fresh water. Give water to drink but do not induce vomiting. Seek medical attention at once.

## 5. FIRE FIGHTING MEASURES

*This product is non-flammable, however irritating fumes may be given off in the event of a fire. Treat fires preferably with foam, carbon dioxide or dry powder extinguishers.*

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## 6. ACCIDENTAL RELEASE MEASURES

*Small spillages should be washed away with water. Spillages above 5 litres, contain and absorb with earth or sand. Wash down site of spillage with water. Spillages are likely to be very slippery. Do not mix with other chemicals. Dispose of in accordance with local authority regulations.*

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## 7. HANDLING AND STORAGE

*Handling            Avoid contact with eyes and skin (cpl safety 24/25). Wear plastic or rubber gloves and eyeshields (cpl safety 36). If clothing is wetted remove and wash in fresh water (cpl safety 27). Do not take internally. Do not mix with other cleaners (cpl safety 50).*

*Storage             Keep out of reach of children (cpl safety 2). Do not allow to freeze.*

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

*(COSHH data for Sodium Hydroxide exposure LTEL 2 ppm over 8 hours, STEL 2ppm over 10 minutes).*

*Avoid contact with eyes and skin.*

*Eye:                 Safety goggles recommended.*

*Hand:                Impervious gloves recommended.*

*Skin:                 Protective overalls and shoes/boots recommended.*

*Respiratory:       Non required.*

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## 9. PHYSICAL AND CHEMICAL PROPERTIES (Not a Specification)

*Appearance        : Amber liquid.*  
*Odour                : None.*  
*pH (1% solution) : 13.5 - 14.0*  
*Pour point         : NA*  
*Flash point         : NA*  
*Explosion Limits   : NA*  
*Density @ 20oC    : 1.100*  
*Solubility           : Fully water soluble.*

## 10. STABILITY AND REACTIVITY

*This product is considered stable under normal conditions.*

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## 11. TOXICOLOGICAL INFORMATION

*Corrosive will cause burns to eyes and skin. Harmful by ingestion.*

*LD<sub>50</sub> (Oral; rat) 500 mg/kg.*

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## 12. ECOLOGICAL INFORMATION

*This product is almost completely Biodegradable at dilutions, however high pH and sodium content has a potential to damage soil structure. High pH has adverse effect on aquatic environments.*

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## 13. DISPOSAL

*When disposing of waste or surplus material avoid contact with eyes and skin. Wear impervious gloves/overalls and safety goggles.*

*Do not mix with other waste materials.*

*Dispose of in accordance with local authority regulations.*

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## 14. TRANSPORT INFORMATION

UN No: 1823

UK Road: Hazchem Code: 2R  
Hazard Class 8  
Classification: Corrosive Substance  
Packing Group: III

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## 15. REGULATORY INFORMATION

Hazard classification : Corrosive.  
Hazard symbol : Corrosive.  
Risk phrases : R35 Causes severe burns to eyes and skin.  
Safety phrases : S2 Keep out of reach of children.  
: S26 In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention immediately.  
: S36 Wear suitable protective clothing.

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## 16. OTHER INFORMATION

*The above information is based on the present state of our knowledge and experience of the product at the time of publication. It is given in good faith but no warranty is implied with respect to quality and specification. The user must satisfy himself that the product is entirely suitable for his purpose.*

*This safety data sheet is prepared in accordance with Regulation (EC) No: 1907/2006.*

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