

# COSHH SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Dishwashers Direct  
Limited

Maid2Wash Office  
Dishwashing Detergent

10

Deep Furrow Avenue, Carlton, Nottingham, NG4 1RS Tel. 0800 7311 567 Fax. 0115 9613 720  
EMERGENCY TELEPHONE NUMBER 0115 9613 720

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Tetra Potassium Pyrophosphate	Potassium Silicate	Potassium Hydroxide
Conc.	1-10%	1-10%	10-30%
EINECS No.	230-785-7	215-199-1	215-181-3
CAS No.	7320-34-5	1312-76-1	1310-58-3
Hazard	X1 Irritant	Damage to eyes	Harmful if swallowed
Risk Phrase:	R36	R41 R38	R35

## 3. HAZARDS IDENTIFICATION

The product is corrosive and can cause severe burns and irritation to the skin, eyes, respiratory and digestive.



## 4. FIRST AID MEASURES

EYES:	Immediately flush with eye wash solution or clean water for at least 10 minutes. May cause permanent damage.
SKIN:	Wash the affected area with plenty of water.
INGESTION:	GET MEDICAL ATTENTION Drink copious amounts of water or milk.
INHALATION:	Not specifically applicable.

## 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Product is non combustible.
SPECIAL HAZARDS:	Contact with certain metals particularly zinc and aluminium can give rise to hydrogen gas evolution.

## 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Wear suitable eye/face protection, gloves and protective clothing.
ENVIRONMENTAL PRECAUTIONS:	No particular/specific measures required.
SPILLAGE TREATMENT:	Small spillage: Wash to drain with large amounts of water. Large spillage: Mix with sand or earth and remove to suitable container for transfer to an approved chemical tip or alternatively flush to drain with copious quantities of water.

## 7. HANDLING AND STORAGE

HANDLING:	Trained personnel wearing suitable protective clothing. Avoid contact with skin or eyes.
STORAGE:	Store in secure chemical area at ambient temperature.
PACKAGING:	Supplied in 5 or 20 litre approved plastic containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



EXPOSURE LIMITS:	Sodium Hydroxide OES/STEL 2mg/m <sup>3</sup>
GENERAL:	Handle in accordance with the general rules of occupational hygiene and safety. Avoid contact with eyes, skin or clothes.
PERSONAL PROTECTION:	The following personal protective equipment should be provided.
SKIN PROTECTION:	Protective overalls/shoes.
HAND PROTECTION:	Impervious gloves.
EYE PROTECTION:	Chemical safety goggles.

All personal protective equipment must comply with EEC standards and be maintained to ensure suitability for use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Straw coloured liquid
ODOUR:	Characteristic odour
RELATIVE DENSITY:	~ 1.24
pH 1% soln.:	12.0 ÷ 13.0
WATER SOLUBILITY:	Miscible with water

## 10. STABILITY AND REACTIVITY

STABILITY:	Stable under normal storage conditions.
CONDITIONS TO AVOID:	Protect from frost & heat.
MATERIALS TO AVOID:	Avoid contact with acids or oxidising agents.
DECOMPOSITION PRODUCTS:	Hydrogen gas may be liberated by contact with metals such as brass, zinc or aluminium.

## 11. TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENTS:	SODIUM HYDROXIDE POTASSIUM SILICATE POTASSIUM HYDROXIDE TETRA POTASSIUM PYROPHOSPHATE
ROUTES OF EXPOSURE:	Refer to section 4 of SDS for routes of exposure and corresponding symptoms

## 12. ECOLOGICAL INFORMATION

MOBILITY:	Product dissolves completely in water.
DEGRADABILITY:	Product is above 98% biodegradable.
ACCUMULATION:	None known.
ECOTOXICITY:	Contains substances which can affect the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

Wear appropriate protective clothing. Soak up with sand or earth and remove to suitable container for transfer to chemical tip. Alternatively flush to drain with copious quantities of water. Disposal should be in accordance with waste disposal or water authority regulations.

## 14. TRANSPORT INFORMATION

UN No:	1760
Hazard Class:	8 Sodium Hydroxide soln.
Packaging Group:	II

Only transport in original containers in upright position. Never remove containers from cardboard cartons before transporting. Unless containers are palletised never transport stacked more than two high.

## 15. REGULATORY INFORMATION

Chemicals (Hazard Information and Packaging for Supply) Regulations 1999 Classification:	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 water. S37/39 Wear suitable gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Use of this product may be governed by the following regulations: Chemical Hazard Information and Packaging Regulations 1999, Carriage of Dangerous Goods by Road and Rail (C.P.L.2) Regulations 1996, Control of Substances Hazardous to Health Regulations 1999.	

## 16. OTHER INFORMATION

This safety data sheet is prepared in accordance with EC Directive 2001/58/EC	
Risk phrases used:	R36: Irritating to eyes R38: Irritating to skin R35: Causes severe burns

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product

# TECHNICAL INFORMATION

# MAID2WASH OFFICE DISHWASHING DETERGENT

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Maid2Wash office Dishwashing Detergent is a blended low foaming liquid detergent specifically formulated for use in commercial dishwashing machines within an office environment operating with medium hard to very hard water quality.

## TECHNICAL DATA

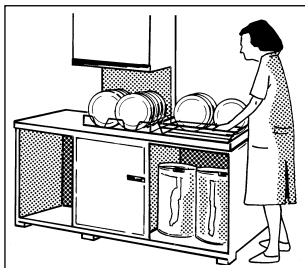
Appearance	Pale Straw coloured liquid.
Packaging Colour Code:	Orange and white labels
Packaging	10 litre drums and 2 x 5 litre cartons
COSHH Classification	Corrosive, contains above 15% sodium hydroxide
pH at usage concentration	12.5 ±0.5
Flash point	Non flammable
Precautions	Corrosive, neat product can cause severe burns. Not recommended for use on aluminium utensils.
Environmental consideration	Product is above 98% biodegradable

## APPLICATION

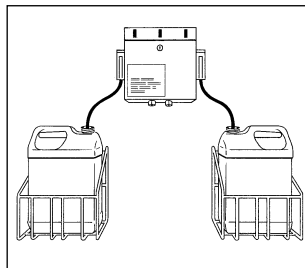
Maid2Wash Dishwashing Detergent has been developed for use in automatic dishwashing machines operating with medium to high hardness water quality. Maid2Wash Dishwashing Detergent contains a combination of sequestering agents, liquid polymers and mild alkalis to give effective cleaning and prevent the formation of water scale in the dishwashing machine. Protein deposits, vegetable soils, fats and tannin are successfully cleaned from crockery and cutlery being washed using Maid2Wash Dishwashing Detergent solutions. Corrosion inhibitors are incorporated into the product to protect the machine's metal surfaces.

## CLEANING PROCEDURE

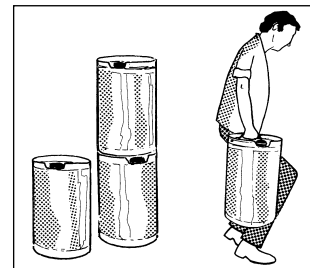
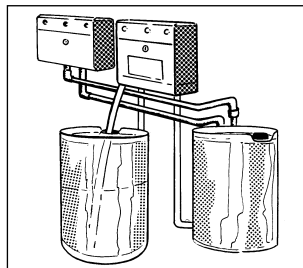
Maid2Wash Dishwashing Detergent is injected into the dishwashing machine automatically by control injection equipment supplied on free loan by the Dishwashers Direct. The recommended usage concentrations for Maid2Wash Dishwashing Detergent are between 0.1% to 0.5% in medium hard water up to 250ppm Calcium Carbonate total water hardness and between 0.2% to 0.5% in very hard water above 250ppm Calcium Carbonate total hardness. Water analysis and recommended concentrations are determined individually on site by a Dishwashers Direct engineer. Recommended detergent solution operating temperature 50-60C.



ITEM TO BE CLEANED



METHOD



SAFE HANDLING

# Dishwashers Direct Limited

Deep Furrow Avenue

Carlton, Nottingham, NG4 1RS

Tel 0115 9613 720 Fax 0115 9119 247

This product is for commercial use only and not for sale to the general public.