



SAFETY DATA SHEET AUTOMATIC DISHWASHER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME AUTOMATIC DISHWASHER

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2 HAZARDS IDENTIFICATION

Causes severe burns.

CLASSIFICATION C;R35.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
EDTA, TETRASODIUM SALT	200-573-9	64-02-8	10-30%	Xn;R22. Xi;R36.
SODIUM HYDROXIDE	215-185-5	1310-73-2	5-10%	C;R35

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Irritating to respiratory system. Move the exposed person to fresh air at once. Get medical attention.

INGESTION

DO NOT INDUCE VOMITING! Harmful if swallowed. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

SKIN CONTACT

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing. Irritating to skin.

EYE CONTACT

Irritating to eyes. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE & EXPLOSION HAZARDS

Burning produces irritating, toxic and obnoxious fumes.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

AUTOMATIC DISHWASHER

ENVIRONMENTAL PRECAUTIONS

Prevent entry into drains.

SPILL CLEAN UP METHODS

Transfer to suitable, labelled containers for disposal. Clean and wipe away spillages area thoroughly with plenty of water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working area.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
SODIUM HYDROXIDE	WEL		2 mg/m3	

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash, quick drench.

ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

Use respiratory equipment with particle filter, type P3.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Colourless to pale yellow		
ODOUR	Slight odour		
SOLUBILITY	Miscible with water.		
BOILING POINT (°C)	100	RELATIVE DENSITY	1.2
pH-VALUE, CONC. SOLUTION	14	FLASH POINT (°C)	100

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

AUTOMATIC DISHWASHER**CONDITIONS TO AVOID**

Avoid excessive heat for prolonged periods of time. Avoid contact with acids.

MATERIALS TO AVOID

Acids, oxidising.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION**INHALATION**

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

INGESTION

May cause burns in mucous membranes, throat, oesophagus and stomach.

SKIN CONTACT

May cause serious chemical burns of the skin.

EYE CONTACT

Causes burns.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Increasing the pH of water to above 10 is lethal to aquatic life.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

UK ROAD CLASS	8		
PROPER SHIPPING NAME	CAUSTIC ALKALI LIQUID, N.O.S.(CONTAINS 9% SODIUM HYDROXIDE)		
UN NO. ROAD	1719	UK ROAD PACK GR.	III
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	HAZARD No. (ADR)	80
ADR LABEL NO.	8	HAZCHEM CODE	2R
CEFIC TEC(R) NO.	80GC5-II+III	RID CLASS NO.	8
RID PACK GROUP	III	UN NO. SEA	1719
IMDG CLASS	8	IMDG PAGE NO.	8147
IMDG PACK GR.	III	EMS	F-A, S-B
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	1719	AIR CLASS	8
AIR PACK GR.	III		

15 REGULATORY INFORMATION**LABELLING**

AUTOMATIC DISHWASHER



Corrosive

CONTAINS

SODIUM HYDROXIDE

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.
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
 S24/25 Avoid contact with skin and eyes.
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S60 This material and its container must be disposed of as hazardous waste.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION DATE 7 JANUARY 2009

RISK PHRASES IN FULL

R22 Harmful if swallowed.
 R35 Causes severe burns.
 R36 Irritating to eyes.

DISCLAIMER

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.