



**SAFETY DATA SHEET**


MLD/5 - MLD/10 - MLD/20 - Machine Liquid Detergent

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

1.1 Product Name	Machine Liquid Detergent				
1.2 Other Names	Auto Dishwasher Detergent				
SDS No	C2/406-CLP	Rev	10 <sup>th</sup> March 2015	Rev No:	1
		Date:			
1.3 Application	Catering cleaning				
1.4 Supplier	Andway Healthcare Ltd Atlantis House, Manse Lane Knaresborough HG5 8LF <a href="mailto:sales@andwayhealthcare.org.uk">sales@andwayhealthcare.org.uk</a>				
1.5 Emergency Contact Number	01423 331000 (Hours of Operation – 07.00 to 17:00 Monday to Friday)				

**SECTION 2. HAZARD IDENTIFICATION**


**Classification (1999/45/EEC)**

2.1 Classification	Corrosive
2.2 Labelling	
Risk Statements	R35 – Causes severe burns
Safety Statements	S2 – Keep out of reach of children S24/25 – Avoid contact with skin and eyes. 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 soap suds 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 label where possible)
2.3 Other Hazards	

**Classification (EC1272/2008)**

-  Hygiene & Catering
-  Care Equipment
-  Care Home Furniture
-  Servicing & Repairs
-  Nursing Consumables



2.1 Signal Word	Danger,					
2.1 Classification	Physical: Met. Corr.1 – H290 Health: Skin Corr. 1 – H314 Environmental Not classified					
Hazard Statements	H290 – May be corrosive to metals					
SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS						
Precautionary Statements	P102 – Keep out of reach of children P234 – Keep only in original container P264 – Wash hands thoroughly after handling P280 – Wear protective gloves, protective clothing, eye protection face protection P305+351+338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing					
2.2 Labelling						
	GHS05					
2.3 Other Hazards						

3.2 Mixture			
Product	EC (EINECS No.)	CAS-No.	%
Sodium Hydroxide Solution	215-185-5	1310-73-2	10-20
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Met. Corr.1 – H290. Health: Skin Corr1A – H314. Environmental: Not Classified.		C; R35	
Product	EC (EINECS No.)	CAS-No.	%
Tetra sodium Ethylene Diamine Tetra acetate	200-573-9	64-02-8	<5
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified. Health: Acute Tox.4 - H302, Acute Tox.4 – H332, Eye Dam.1 – H318 Environmental: Not Classified.		Xn; R20/22 Xi; R38, R41	

For the full text of the R-phrases mentioned in this section, see section 16.

For the full text of the H-statements mentioned in this section, see section 16.

-  Hygiene & Catering
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SECTION 4. FIRST-AID MEASURES

4.1 Description of First Aid Measures

Inhalation	Move exposed person to fresh air. Get medical attention
Ingestion	Get medical advice immediately! Do Not Induce Vomiting! Immediately rinse mouth and drink plenty of water
Skin Contact	Remove contaminated clothing immediately and wash with soap and water. Get medical attention immediately
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove contact lenses if safe and easy to do so, open eyes wide apart. Get medical attention immediately. Continue to rinse.

4.2 Most Important Symptoms and effects, both acute and delayed

General Information	Symptoms described are dependent upon the concentration and exposure time
Inhalation	Possible irritation of throat, nose & airway
Ingestion	Irritation, possible burns to throat mouth and stomach
Skin Contact	Possible chemical burns to skin
Eye Contact	Possible serious eye damage

4.3 Indication of immediate medical attention and special treatment needed if necessary

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media Use:

The preparation is not readily flammable, use fire-extinguishing media suitable for surrounding materials

5.2 Specific Hazard arising from the chemical

When heated in the case of fire, harmful or toxic gases may be produced

5.3 Special protective actions for fire fighters

Self-contained breathing apparatus and full protective clothing must be worn

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, protective equipment and emergency procedures

- a. The wearing of suitable protective equipment (including personal protective equipment, see section 8 of this SDS) to prevent any contamination of skin, eyes and personal clothing.
- b. Follow precautions for safe handling described in section 7 of this SDS.



**6.2 Environmental Precautions**

Spillages of uncontrolled discharges into watercourses must be Immediately alerted to the Environmental Agency or other appropriate regulatory body, without endangering individuals every effort should be made to prevent entrance to drains.

**6.3 Methods and material for containment and clean up**

Drains should be Bunged or capped to prevent entrance or damage.  
Ventilate well. Dilute with copious amounts of water. Collect with absorbent, non-combustible material into suitable containers. Flush area with plenty of water.

**SECTION 7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Avoid Spilling, skin and eye contact.  
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 contaminated. Promptly remove any clothing that becomes contaminated. When using, do not eat, drink or smoke.

**7.2 Conditions for safe Storage, including incompatibilities**

Keep in original containers. Do not allow product to freeze, avoid extreme temperatures

**7.3 Specific end use(s)**

The identified use for this product is detailed in section 1.2.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 Control parameters**

Name	STD	TWA – 8 Hrs	STEL – 15 Min	Notes
Sodium Hydroxide 35%	WEL		2	

WEL= Workplace Exposure Limit

**8.2 Appropriate engineering controls**

Provide adequate ventilation

**8.3 Individual protection measures, such as personal protective equipment (PPE)**

Respiratory Equipment	If ventilation is in sufficient, suitable respiratory protection must be provided.
Hand Protection	PVC gloves are recommended.
Eye Protection	Ware approved safety goggles/ Face protection.
Other Protection	Wear rubber apron, ware rubber footwear.

- Hygiene & Catering
- Care Equipment
- Care Home Furniture
- Servicing & Repairs
- Nursing Consumables



Protective Equipment



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

This Product is a	Mixture		
Appearance	Liquid		
Colour	Straw / Yellow		
Odour	Low		
Solubility	Soluble in water		
pH value	> 12	Boiling Point (°C)	> 100
Relative Density	1.2		

9.2 Other information

N/A

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

None known

10.2 Chemical stability

Stable under normal conditions and use.

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Avoid excessive heat for prolonged periods of time. Do Not allow to freeze

10.5 Incompatible materials

Strong Acids. Other halogenated organics

10.6 Hazardous decomposition products

Not determined

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicological information

- Hygiene & Catering
- Care Equipment
- Care Home Furniture
- Servicing & Repairs
- Nursing Consumables



We have not carried out any animal testing; therefore we have no toxicological data specifically for this product. The toxicological data, where provided by the raw material manufacture, can be made available on request.

**SECTION 12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

We have not carried out any Aquatic testing; therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity data, where provided by the raw material manufacturer for the ingredients with aquatic toxicity can be provided on request

**12.2 Persistence and degradability**

Degradability: this product is expected to be biodegradable

**12.3 Bio accumulative potential**

This preparation does not contain any substance that is expected to be bioaccumulating

**12.4 Mobility in soil**

The product is soluble in water

**12.5 Results of PBT and vPvB**

This preparation does not contain and PBT or vPvB substances

**12.6 Other adverse effects**

Not Known

**SECTION 13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**


The preparation is designed for disposal via foul drain after use. Large volumes to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local waste disposal authority. Clean used container and recycle.

**SECTION 14. TRANSPORT INFORMATION**

ADR	IMDG		ICAO
	<b>14.1 UN Number</b>		
1719	1719		1719
	<b>14.2 UN Proper shipping name</b>		
Caustic Alkali Liquid N.O.S.	Caustic Alkali Liquid N.O.S.		Caustic Alkali Liquid N.O.S.
	<b>14.3 Transport hazard Class (es)</b>		
Class 8	Class 8		Class 8

- Hygiene & Catering
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Label							
		<u>14.4 Packing Group</u>					
III		III				III	
		<u>14.5 Environmental hazards</u>					
No		No				No	
		<u>14.6 Special precautions for user (Tunnel Restriction) EAC, HIN, EMS</u>					
		(E) 2P, 80, F-A , S-B					
		<u>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</u>					
		Not relevant for this product					

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture

Guidance notes: Workplace Exposure Limits EH40

EU Legislation: Safety Data sheets prepared in accordance with REACH Commission Regulation (EU) No 453/2010 and CHIP Directive 1999/45/EEC Classification, Packaging & Labelling of dangerous preparations. Ingredients are listed with classification under both CHIP – Directive 67/548/EEC and GHS / CLP – Regulation (EC) No 1272/2008 classification, ADR 2013

15.2 Chemical Safety Assessment

Not applicable this product is a mixture

SECTION 16. OTHER INFORMATION

REV. No. REPL. SDS	1/0
Generated	10 <sup>th</sup> March 2015
SDS No.	C2/406-CLP
SDS Status	Ok
Approved	Yes
Notes	This information relates only to the specific material designed 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 date indicated. However, no warranty, guarantee or representation is made as 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.

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Risk phrases in full	R20/22 – Harmful by inhalation and if swallowed R35 – Causes severe burns R38 – Irritating to skin R41 – Risk of serious eye damage
Hazard statements in full	H290 – May be corrosive to metals H302 – Harmful if swallowed H314 – Causes severe skin burns and eye damage H318 – Causes serious eye damage H332 – May be harmful if swallowed
Supplementary P- Statements Continued	P301+P330+331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P303+P361+P353 – IF ON SKIN: Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower P363 – Wash contaminated clothing before reuse P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P310 – Immediately call a poison centre or doctor / physician P405 – Store locked up
<u>END of SDS</u>	