



SAFETY DATA SHEET

Machine Liquid Detergent

Revision Date 12th May 2014

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

Product Name	Machine Liquid Detergent
Synonyms, Trade Name	Machine Liquid Detergent
Application	Auto Dish washing

Supplier Atlantis Hygiene Professional
By Andway Healthcare
Atlantis House
Manse Lane
Knaresborough
North Yorkshire
HG5 8LF

Emergency Contact Number 01423 331 000

SDS No. C2/406

2. HAZARDS IDENTIFICATION

Corrosive

Classification	C;R35 – Causes severe burns
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3. COMPOSITION / INFORMATION ON INGREDIENTS

NAME	EC No.	CAS-No.	Content	Classification
Sodium Hydroxide	215-185-5	1310-73-2	5-15%	C;R35
Tetra sodium EDTA	200-573-9	64-02-8	<5%	Xi;R38, Xn;R41

The Full Text For all R- Phrases Are Displayed in Section 16

4. FIRST-AID MEASURES

Inhalation	Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Get medical attention if any discomfort continues.
Ingestion	Immediately rinse mouth and drink plenty of water (200-300ml) Provide rest, warmth and fresh air. Get medical attention if discomfort continues
Skin Contact	Irritating to skin. Wash off immediately with plenty of soap & water. Remove any contaminated clothing. Seek medical attention if irritation or symptoms persist.
Eye Contact	Rinse Immediately with plenty of water for 15 minutes holding eyelids open. Seek medical attention if irritation or symptoms persists. Continue to rinse

5. FIRE-FIGHTING MEASURES

Extinguishing Media Use:	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog
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Unusual Fire & Explosion Hazards	None
Specific Hazard	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 suitable protective equipment
Environmental Precautions	Do not allow products to enter into surface water drains, Prevent further spillage if safe to do so.
Spill Cleanup Methods	Absorb with inert, absorbent material. Sweep up. Transfer to suitable labelled containers for disposal. Clean spillage area with thoroughly with plenty of water.

7. HANDLING AND STORAGE

Usage Precautions	Avoid contact with eyes & skin. Adopt best Manual Handling consideration when handling, carrying and dispensing.
Storage Precautions	Keep in a cool, dry, well ventilated area. Keep container tightly closed. Store in correctly labelled containers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

NAME	Std	TWA – 8 hrs	STEL – 15 min	Notes
Sodium Hydroxide	WEL		2	

WEL= Workplace exposure limits

Protective Equipment



Respiratory Equipment	If ventilation is insufficient, suitable respiratory protection must be provided
Hand Protection	Chemical resistant gloves (PVC)
Eye Protection	Approved glasses / goggles
Other Protection	Overalls, wear rubber apron, wear rubber footwear
Engineering Measures	Ensure well ventilated working area

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid		
Colour	Yellow		
Odour	Characteristic odour		
Solubility	In water		
Boiling Point	>100°C	pH-value, Conc. Solution	13.5
Viscosity	~75 mPas. 20		

10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature conditions and recommended use.
Conditions To Avoid	Heat, Direct sunlight, Do not allow to freeze
Materials To Avoid	Strong acids. Other halogenated organics

11. TOXICOLOGICAL INFORMATION

Inhalation	Vapours may irritate throat and respiratory system and cause coughing
Ingestion	May cause chemical burns in mouth, oesophagus and stomach

Skin Contact	May cause serious chemical burns to skin
Eye Contact	Causes burns.

12. ECOLOGICAL INFORMATION

Eco toxicity	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful effect on the environment.
Mobility	This product is soluble in water
Degradability	This product is expected to be biodegradable

13. DISPOSAL CONSIDERATIONS


General Information	Consumer products ending up down the drain after use. Observe safe handling precautions and local legislation
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14. TRANSPORT INFORMATION



Proper Shipping name	Caustic Alkali Liquid N.O.S.		
Contains	Sodium hydroxide solution		
UN No. Road	1719	UN No. Sea	1719
ADR Class No.	8	IMDG Class	8
ADR Class	Class 8: Corrosive substance	IMDG Pack Group	III
ADR Pack Group	III	EMS	F-A, S-B
Tunnel Restriction	(E)	UN No. Air	1719
Hazard No. (ADR)	80	Air Class	8
ADR Label No.	8	Air Sub Class	8
Hazchem code	2P	Air Pack Group	III

15. REGULATORY INFORMATION

Labelling				
	Corrosive			
Contains	Sodium Hydroxide			
Risk Phrases	R 35 – Causes severe burns			
Safety Phrases	S2 – Keep out of reach of children S24/25 – Avoid any inhalation, 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)			
Statutory Instruments	Chemicals (Hazard information and packaging) regulations			
Approved Code of Practice	Safety data sheets of substances and preparations. Classification and labelling of substances and preparations dangerous to supply			
Guidance Notes	CHIP for everyone HSG (108). Workplace Exposure Limits EH40			

16. OTHER INFORMATION

REV. No. / REPL. SDS	
Generated	5 th September 2011
SDS No.	C2/406
Safety Data Sheet Status	
Approved.	5 th September 2011
Signature	
Risk Phrases in Full	R 35 – Causes severe burns R38 – Irritating to skin R41 – Risk of serious damage to eyes
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.