

SAFETY DATA SHEET


Chlorinated Auto Dishwash

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

1.1 Product Name	Chlorinated Auto Dishwash				
1.2 Other Names	Chlorinated Auto Dishwash				
SDS No	C2/409-CLP	Rev Date:	30 th March 2015	Rev No:	1
1.3 Application	Catering cleaning				
1.4 Supplier	Arrow County Supplies Arrow House Longden Road Shrewsbury Shropshire SY3 9AE United Kingdom Tel: 01743 283600				
1.5 Emergency Contact Number	01743 283600				



SECTION 2. HAZARD IDENTIFICATION

Classification (1999/45/EEC)

2.1 Classification	Corrosive
2.2 Labelling	
Risk Statements	R35 – Causes severe burns R50 – Toxic to aquatic organisms
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)

2.1 Signal Word	Danger,
2.1 Classification	Physical: Met. Corr.1 – H290 Health: Skin Corr. 1 – H314 Environmental Aquatic Acute 1 – H400
Hazard Statements	H290 – May be corrosive to metals H314 – Causes severe skin burns and eye damage H400 – Very toxic to aquatic life
Precautionary Statements	P102 – Keep out of reach of children P234 – Keep only in original container P264 – Wash hands thoroughly after handling

	P273 – Avoid release to the environment 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	GHS09				
2.3 Other Hazards						

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture

Product	EC (EINECS No.)	CAS-No.	%
Sodium Hydroxide Solution	215-185-5	1310-73-2	<10
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Met. Corr. 1 – H290. Health: Skin Corr. 1a – H314. Environmental: Not Classified.		C; R35	
Product	EC (EINECS No.)	CAS-No.	%
Sodium Hypochlorite Solution	231-668-3	7681-52-9	<5
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Met Corr. 1 – H290. Health: EUH031, Skin Corr. 1b – H314, STOT SE 3 – H335 Environmental: Aquatic Acute 1 – H400.		C; R34 R31 N; R50	

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.

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

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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 Bunded 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	Consumer	Industry	Notes		
Sodium Hydroxide 35%	DNEL	Long Term	1mg/m ³	Long Term	1mg/m ³	
Sodium Hypochlorite	DNEL	Long Term	1.55mg/m ³	Long Term	1.55mg/m ³	
		Short Term	3.1mg/m ³	Short Term	3.1mg/m ³	

DNEL= Derived No Effect Level

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	Nitrile, Butyl rubber, Neoprene or Polyvinyl chloride (PVC) gloves are recommended.
Eye Protection	Wear approved safety goggles/ Face protection.
Other Protection	Wear rubber apron, ware rubber footwear.

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	Slight Chlorine Odour
Solubility	Soluble in water

pH value	>11	Boiling Point (°C)	>100
Relative Density	1.1-1.2		
<u>9.2 Other information</u>			

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Exothermic reaction with acids

10.2 Chemical stability

Stable under normal conditions and use.

10.3 Possibility of hazardous reactions

Generates toxic gas in contact with acids

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

Hydrogen

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicological information

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 Bioaccumulative 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
<u>14.1 UN Number</u>		
1760	1760	1760
<u>14.2 UN Proper shipping name</u>		
Caustic Liquid N.O.S.	Caustic Liquid N.O.S.	Caustic Liquid N.O.S.
<u>14.3 Transport hazard Class (es)</u>		
Class 8	Class 8	Class 8

Label							
14.4 Packing Group							
III		III		III			
14.5 Environmental hazards							
Yes		Yes		Yes			
14.6 Special precautions for user (Tunnel Restriction) EAC, HIN, EMS							
(E) 2X, 80, F-A, S-B							
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code							
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	30 th March 2015
SDS No.	C2/409-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.
Risk phrases in full	R31 – Contact with acids liberates toxic gasses R34 – Causes Burns R35 – Causes severe burns R50 – Very toxic to aquatic organisms
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 H400 – Very toxic to aquatic life
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 P390 – Absorb spillage to prevent material damage P391 – Collect spillage P405 – Store locked up P501 – Dispose of contents / container to local authority as hazardous waste
END of SDS	