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9 & 11 Evans Street
Alrode South
Alberton
South Africa

SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	AUTO DISH L		
Product Use:	INDUSTRIAL DISWASHING RINSING ADDITIVE		
Supplier's Name:	Arrow Chem Chemical Manufacturer	Street Address:	9-11 Evans Street
Suburb:	Alrode South	City:	Alberton
Tel number: +2711 900 3633	Emergency no: 0633739195	Email Address:	sales@thearrow.co.za

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients	% Range	CAS Number	Toxicity information

SECTION 3: HAZARDOUS IDENTIFICATION

Main Hazard:	Corrosive effect on prolonged skin contact, avoid eye contact with concentrate
Flammability:	Non flammable
Chemical Hazard:	Caustic – avoid with acids and oxidising materials
Biological Hazard:	No data available
Reproduction Hazard:	N/A
Inhalation:	Slight emission of toxic vapours
Skin:	Corrosive – irritation
Eyes:	Corrosive – may cause serious damage
Ingestion:	Corrosive – burning and irritation of mucous membrane
Carcinogenicity:	No evidence of Carcinogenicity effects
Mutagenicity:	No evidence of Mutagenicity effects
Neurotoxicity:	No evidence of Neurotoxicity effects



SECTION 4: FIRST AID MEASURES

Product Inhaled:	Remove to fresh air immediately and seek medical attention
Product on Skin:	Use gloves when handling concentrate. Product is corrosive to human tissue. Contaminated clothing and wash well with water. seek medical attention if skin is broken
Product in Eyes:	Rinse cautiously with water for fifteen minutes. Remove contact lenses if present and easy to do continue rinsing. seek medical attention if irritation occurs. Use face shield or goggles when handling concentrates.
Product Ingested:	Give person large quantities of water or milk to drink and seek medical attention immediately.

SECTION 5: FIRE FIGHTING IDENTIFIERS

FLAMMABLE:	<table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> <tr> <td></td> <td>√</td> </tr> </table>	YES	NO		√	If yes under which conditions:	N/A
YES	NO						
	√						
Method of extinction:	Use extinguishing agents suitable for surrounding fire						
Flashpoint (°C) and Method:	Upper Flammable Limit (% by Volume):	Lower Flammable Limit (% by Volume):					
N/A	N/A	N/A					
Autoignition Temperature (°C):	Explosion Data – Sensitivity to Impact:	Explosion Data – Sensitivity to Static Discharge:					
N/A	N/A	N/A					
Hazardous Decomposition Products:	N/A						

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear full protective clothing such as goggles, gloves and protective clothing.
Precautions:	Do not release into natural waterways
Small Spills:	Remove excess with absorbent material and flush residue with water
Large Spills:	Prevent the discharge of large amounts of concentrated product into sewerage and water courses. Dyke ahead of liquid spill for later disposal.

SECTION 7: HANDLING AND STORAGE

Suitable Material:	Plastic drum
Handling/Storage Precautions:	Store in a cool dry place, keep container tightly closed



SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits:	2mg/m ³					
Engineering Controls: Ensure that eye wash stations and safety showers are proximal to the workstation locations. Adequate ventilations in places of use.						
Personal Protective Equipment:						
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gloves	Respirator	Eye	Footwear	Clothing	Other	
If Checked, please specify type: wear appropriate respirator when ventilation is inadequate. Protective clothing, safety glasses and gloves when in use.						

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Odour:	Ph:
Clear colourless liquid	Slight sodium hypochlorite	Greater than 13
Flush Point:	Melting Point:	Boiling Point:
>100°C	N/A	Greater than 100°C
Flammability:	Solubility co-efficient:	Density:
Non-Flammable	No data available	1.15-1.17
Solubility – Water:	Solubility – Solvent:	Explosive Properties:
Completely Soluble	Insoluble	N/A
Vapour Pressure:	Oxidising Properties:	Neurotoxicity
N/A	Non-oxidising	N/A

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	If no, under which conditions:
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Stable under normal conditions
Incompatibility with Other Substances:	If yes, which ones?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Aluminium, zinc, tin, and alloys of these metals
Reactivity and under what conditions:	
Produces flammable hydrogen gas	
Hazardous Decomposition Products:	
Reacts with acids, chlorinated hydrocarbons	



SECTION 11: TOXICOLOGICAL INFORMATIONS

Acute Toxicity:			
Can cause serious eye damage and severe burns to the skin. Causes respiratory irritation and burns mouth, throat and stomach.			
Skin and eye contact:			
Refer section 3			
Chronic toxicity:			
May cause severe skin/eye irritation and burning of the throat			
Carcinogenicity:	No evidence available	Mutagenicity:	No evidence available

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity – Fish:	Toxic – dangerous of Aquatic life in high concentrations
Aquatic Toxicity – Daphnia:	Toxic – dangerous of Aquatic life in high concentrations
Aquatic Toxicity – Algae:	Toxic – dangerous of Aquatic life in high concentrations
Bioaccumulation:	Not expected to bio-accumulate
Biodegradability:	Yes
Mobility:	Readily absorbed into soil

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods:	Via an authorised waste disposal company
Disposal of Packaging:	Recycle or wash thoroughly to be re-used

SECTION 14: TRANSPORT INFORMATION

UN No:	3082	Class	9: irritant liquid
Substance I.D No:	A012	Danger Group	III

SECTION 15: REGULATORY INFORMATION

Risk Phases:	R35/R36/R37/R38	Safety Phases:	S2/S27/S37/S39
National Legislation:	Not Known		

SECTION 16: OTHER INFORMATION

To the best of our knowledge the information contained herein is accurate.

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