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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:	SCRUB		
Product Use:	AMMONIATED CLEANER		
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:	<a href="mailto:sales@thearrow.co.za">sales@thearrow.co.za</a>

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients	% Range	CAS Number	Toxicity information
Ammonia	1%		

### SECTION 3: HAZARDOUS IDENTIFICATION

Main Hazard:	Irritant
Flammability:	Non-flammable
Chemical Hazard:	None known
Biological Hazard:	N/A
Reproduction Hazard:	No data available
Inhalation:	Difficulty breathing
Skin:	Drying of skin
Eyes:	Irritant
Ingestion:	Nausea and vomiting
Carcinogenicity:	No data available
Mutagenicity:	No data available
Neurotoxicity:	No data available



**SECTION 4: FIRST AID MEASURES**

Product Inhaled:	Remove to fresh air. Seek medical attention
Product on Skin:	Wash area with soap and water. apply moisturiser to replenish moisture to the skin. If persistent rash occurs seek medical attention.
Product in Eyes:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing, seek medical attention if irritation persists
Product Ingested:	Give patient plenty of water to drink. DO NOT induce vomiting. seek medical attention

**SECTION 5: FIRE FIGHTING IDENTIFIERS**

FLAMMABLE:	YES	NO	If yes under which conditions:	N/A
		√		
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 protective clothing such as goggles, gloves and protective suit
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. Contain with inert material, scrape up and return to drum for disposal

**SECTION 7: HANDLING AND STORAGE**

Suitable Material:	Plastic drum
Handling/Storage Precautions:	Store in a cool place



## SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits:	Unknown												
Engineering Controls:	Adequate ventilation in places of use												
Personal Protective Equipment:													
<table border="1"> <tr> <td>Gloves</td> <td>Respirator</td> <td>Eye</td> <td>Footwear</td> <td>Clothing</td> <td>Other</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Gloves	Respirator	Eye	Footwear	Clothing	Other							
Gloves	Respirator	Eye	Footwear	Clothing	Other								
If Checked, please specify type: Safety goggles should be supplied in case of splashing of the product. Gloves and protective clothing should be worn													

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Odour:	Ph:
White	Ammonia	11.0-12.0
Flush Point:	Melting Point:	Boiling Point:
N/A	N/A	Greater than 100°C
Flammability:	Solubility co-efficient:	Density:
Non - Flammable	N/A	1.11Kg/l
Solubility – Water:	Solubility – Solvent:	Explosive Properties:
Partial	Insoluble in most	Non-explosive
Vapour Pressure:	Oxidising Properties:	Neurotoxicity
As for water	Non-Oxidising	N/A

## SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	If no, under which conditions:				
<table border="1"> <tr> <td><input checked="" type="checkbox"/></td> <td>YES</td> <td><input type="checkbox"/></td> <td>NO</td> </tr> </table>	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/>	NO	Stable under normal conditions
<input checked="" type="checkbox"/>	YES	<input type="checkbox"/>	NO		
Incompatibility with Other Substances:	If yes, which ones?				
<table border="1"> <tr> <td><input checked="" type="checkbox"/></td> <td>YES</td> <td><input type="checkbox"/></td> <td>NO</td> </tr> </table>	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/>	NO	Acids and strong oxidising materials
<input checked="" type="checkbox"/>	YES	<input type="checkbox"/>	NO		
Reactivity and under what conditions:					
N/A					
Hazardous Decomposition Products:					
N/A					



**SECTION 11: TOXICOLOGICAL INFORMATIONS**

Acute Toxicity:			
Irritation to skin and eyes			
Skin and eye contact:			
n/a			
Chronic toxicity:			
Medical attention may be required should irritation persist			
Carcinogenicity:	No data available	Mutagenicity:	No evidence available

**SECTION 12: ECOLOGICAL INFORMATION**

Aquatic Toxicity – Fish:	Dangerous to Aquatic life in high concentrations
Aquatic Toxicity – Daphnia:	Dangerous to Aquatic life in high concentrations
Aquatic Toxicity – Algae:	Dangerous to Aquatic life in high concentrations
Bioaccumulation:	No data available
Biodegradability:	Yes
Mobility:	No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

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

**SECTION 14: TRANSPORT INFORMATION**

UN No:		Class	Not classified Low hazard
Substance I.D No:		Danger Group	IV

**SECTION 15: REGULATORY INFORMATION**

Risk Phases:	R22/R36-38/R43	Safety Phases:	S2/S24/S37/S46
National Legislation:			Not Known

**SECTION 16: OTHER INFORMATION**

To the best of our knowledge the information contained herein is accurate. However, neither Arrow-Chem nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.