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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:	MULTIPURPOSE		
Product Use:	GENERAL PURPOSE 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:	sales@thearrow.co.za

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients	% Range	CAS Number	Toxicity information
Sulphuric acid			
Sodium metasilicate			

SECTION 3: HAZARDOUS IDENTIFICATION

Main Hazard:	Irritant
Flammability:	Non-flammable
Chemical Hazard:	Avoid contact with acids and oxidising materials
Biological Hazard:	Dangerous to aquatic life
Reproduction Hazard:	No data available
Inhalation:	No known hazard
Skin:	Mild irritation may occur
Eyes:	Will irritate eyes
Ingestion:	Mild irritant
Carcinogenicity:	N/A
Mutagenicity:	N/A
Neurotoxicity:	N/A



SECTION 4: FIRST AID MEASURES

Product Inhaled:	Remove to fresh air, treat symptomatically. However no known hazard
Product on Skin:	wash area with soap and water. Apply moisturizer 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, should problem persist, seek medical attention

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:	Carbon monoxide, carbon Dioxide						

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear protective clothing such as neoprene gloves, safety goggles should be worn while handling the product
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:	Store in plastic drums
Handling/Storage Precautions:	Store in a cool dry place



SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits:	2mg/m3
Engineering Controls:	N/A
Personal Protective Equipment:	
<input type="checkbox"/> Gloves	<input type="checkbox"/> Respirator
<input type="checkbox"/> Eye	<input type="checkbox"/> Footwear
<input type="checkbox"/> Clothing	<input type="checkbox"/> Other
If Checked, please specify type: safety goggles should be supplied in case of splashing of the product. Neoprene gloves should be supplied to avoid any irritation of the skin.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow Fluorescent Liquid	Odour: Butyl Oxitol	Ph: Greater than 12
Flash Point: N/A	Melting Point: N/A	Boiling Point: Greater than 90°C
Flammability: Non-Flammable	Solubility co-efficient: No data available	Density: 1.05-1.10g/cm3
Solubility – Water: Completely	Solubility – Solvent: Insoluble	Explosive Properties: N/A
Vapour Pressure: No data available	Oxidising Properties: No data available	Neurotoxicity: N/A

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If no, under which conditions: Stable under normal conditions
Incompatibility with Other Substances: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If yes, which ones? Acids and strong oxidising materials
Reactivity and under what conditions: Toxic fumes may be liberated on decomposition	
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide	



SECTION 11: TOXICOLOGICAL INFORMATIONS

Acute Toxicity:			
Irritant to skin and eyes			
Skin and eye contact:			
Refer section 3			
Chronic toxicity:			
Medical attention may be required should irritation persist			
Carcinogenicity:	No evidence available	Mutagenicity:	No evidence available

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity – Fish:	LC50 (96h): 30gm/l
Aquatic Toxicity – Daphnia:	EC50 (48h): 13mg/l
Aquatic Toxicity – Algae:	EC50 (72h): 1.6mg/l
Bioaccumulation:	N/A – Product is biodegradable and water soluble
Biodegradability:	Primary degradation (surfactant)>90%
Mobility:	Not known

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

UN No:	3082	Class	9: Irritant liquid
Substance I.D No:	B017	Danger Group	IV

SECTION 15: REGULATORY INFORMATION

Risk Phases:	R38	Safety Phases:	S36/S37
National Legislation:	Not Known		

SECTION 16: OTHER INFORMATION

- (a) Do not allow to meet products containing chlorine as heated and toxic gas will be liberated.
- (b) Obtain medical attention
- (c) Constant irritation of eyes, skin, throat, and abdominal pain. Risk of death.

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.



Arrow-Chem

Est. 1993

Chemical Manufacturers