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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:	POWERFORCE		
Product Use:	WATER BASED SOLVENT DEGREASER		
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 metasillicat			

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:	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, treat symptomatically. However no known hazard
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, 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 Monoxides, carbon dioxide						

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear full 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:	Plastic drum
Handling/Storage Precautions:	Store in a cool dry place



SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits:	2mg/m3										
Engineering Controls: adequate ventilation in place of use											
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:	Odour:	Ph:
Blue liquid	Butyl Oxitol	11.2-11.5
Flush Point:	Melting Point:	Boiling Point:
N/A	N/A	Greater than 90°C
Flammability:	Solubility co-efficient:	Density:
Non-Flammable	No data available	1.05-1.10g/cm3
Solubility – Water:	Solubility – Solvent:	Explosive Properties:
Completely Soluble	Insoluble	N/A
Vapour Pressure:	Oxidising Properties:	Neurotoxicity
No data available	No data available	N/A

SECTION 10: STABILITY AND REACTIVITY

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



SECTION 11: TOXICOLOGICAL INFORMATIONS

Acute Toxicity:			
Irritation 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:	LC ₅₀ (96h): 30mg/l
Aquatic Toxicity – Daphnia:	EC ₅₀ (48h): 13mg/l
Aquatic Toxicity – Algae:	EC ₅₀ (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 wash 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

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