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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:	BIO-SOLVE		
Product Use:	ALKALINE HIGHLY EFFICTIVE HARD SURFACE CLEANIER		
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
Alkaline salts/ quaternary ammonium compound			

SECTION 3: HAZARDOUS IDENTIFICATION

Main Hazard:	Will irritate the skin and eyes
Flammability:	Non-flammable
Chemical Hazard:	Avoid contact with acids. Bases and oxidants
Biological Hazard:	May cause skin sensitisation
Reproduction Hazard:	No data available
Inhalation:	No data available
Skin:	Discomfort, itching and redness
Eyes:	Irritation/watery eyes
Ingestion:	Refer to section 16(a)
Carcinogenicity:	No data available
Mutagenicity:	No data available
Neurotoxicity:	No data available



SECTION 4: FIRST AID MEASURES

Product Inhaled:	Remove to fresh air.
Product on Skin:	Flush with water for 30 minutes. Seek medical attention
Product in Eyes:	Flush with water for 15 minutes. Seek medical attention
Product Ingested:	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 powder/co2/water/sand/spray/foam			
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:	May produce floating fire hazard			

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Refer section 7
Precautions:	Do not release into natural waterways
Small Spills:	Flush away with water
Large Spills:	Contain with inert material

SECTION 7: HANDLING AND STORAGE

Suitable Material:	Plastic drum
Handling/Storage Precautions:	Store away from oxidising products



SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits:		Unknown	
Engineering Controls: safety showers and adequate ventilation.			
Personal Protective Equipment:			
<input type="checkbox"/>	Gloves	<input type="checkbox"/>	Respirator
<input type="checkbox"/>		<input type="checkbox"/>	Eye
<input type="checkbox"/>		<input type="checkbox"/>	Footwear
<input type="checkbox"/>		<input type="checkbox"/>	Clothing
<input type="checkbox"/>		<input type="checkbox"/>	Other
If Checked, please specify type: wear appropriate respirator when ventilation is inadequate. Protective clothing, safety goggles or shield and PVC gloves when in use.			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Odour:	Ph:
Clear liquid	Bland	9.5-11.5
Flush Point:	Melting Point:	Boiling Point:
N/A	N/A	N/A
Flammability:	Solubility co-efficient:	Density:
Non - Flammable	No data available	1.00Kg/l
Solubility – Water:	Solubility – Solvent:	Explosive Properties:
Soluble	Insoluble in most	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	<input type="checkbox"/>	NO
Incompatibility with Other Substances:		If yes, which ones?	
<input checked="" type="checkbox"/>	YES	<input type="checkbox"/>	NO
Reactivity and under what conditions:			
N/A			
Hazardous Decomposition Products:			
Refer to section 16(b)			



SECTION 11: TOXICOLOGICAL INFORMATIONS

Acute Toxicity:			
Ingestion will cause vomiting and nausea			
Skin and eye contact:			
Refer section 3			
Chronic toxicity:			
May result in progressive dermatitis			
Carcinogenicity:	No data available	Mutagenicity:	No evidence available

SECTION 12: ECOLOGICAL INFORMATION

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

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods:	Via an authorised disposal company
Disposal of Packaging:	Via an authorised disposal company

SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

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

SECTION 16: OTHER INFORMATION

- (a) Discomfort in mouth and throat, local swelling and burning, nausea, diarrhoea, and thirst,
- (b) Burning can produce Carbon Monoxide and Carbon Dioxide

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