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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:	DE-RUST		
Product Use:	LIQUID ACID 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

### SECTION 3:

#### HAZARDOUS IDENTIFICATION

Main Hazard:	Toxic and Corrosive fumes if heated and a strong acid
Flammability:	Non-Flammable
Chemical Hazard:	Corrosive. Toxic fumes if heated
Biological Hazard:	Fairly severe skin irritant may cause pain and burns after a few minutes contact.
Reproduction Hazard:	No data available
Inhalation:	Will cause sore throat and laboured breathing
Skin:	Pain and severe burns after a few minutes
Eyes:	Painful, burning, redness and blurred vision.
Ingestion:	Will cause sore throat, abdominal pain 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.
Product on Skin:	Wash with soap and water. Remove contaminated clothing
Product in Eyes:	Wash out with water and under eye lids for 15 minutes.
Product Ingested:	Give water or milk. Do not induce vomiting

**SECTION 5: FIRE FIGHTING IDENTIFIERS**

FLAMMABLE:	YES	NO	If yes under which conditions:	N/A
		√		
Method of extinction:	Foam or dry chemical keep container cool with water spray			
Flashpoint (°C) and Method: N/A	Upper Flammable Limit (% by Volume): N/A		Lower Flammable Limit (% by Volume): N/A	
Autoignition Temperature (°C): N/A	Explosion Data – Sensitivity to Impact: N/A		Explosion Data – Sensitivity to Static Discharge: N/A	
Hazardous Decomposition Products:	Can decompose violently up heating above 300°C			

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal Precautions:	Wear full length protective clothing, face shield safety hat boots and gloves
Environmental Precautions:	
Precautions:	Do not release into natural waterways
Small Spills:	Neutralise with lime and wash away with large amount of water
Large Spills:	Contain with inert material and absorb with lime and collect for disposal.

**SECTION 7: HANDLING AND STORAGE**

Suitable Material:	Plastic container
Handling/Storage Precautions:	Store in a cool dry place. Avoid contact with liquid.



**SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION**

Exposure Limits:	IDLE value 1mg/m3 TLV(TWA) 1MG/M3.				
Engineering Controls:					
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:					
Avoid splashing, wear goggles or face shield overalls a plastic apron gumboots and PVC gloves					

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Deep yellow liquid	Odour: Odourless	Ph: Less than 2
Flush Point: N/A	Melting Point: N/A	Boiling Point: Decompose at 300°C
Flammability: Non flammable	Solubility co-efficient: N/A	Density: 1.5 – 1.6g/cm3
Solubility – Water: Completely Soluble	Solubility – Solvent: Insoluble	Explosive Properties: Non-pertinent
Vapour Pressure: N/A	Oxidising Properties: No data available	Neurotoxicity: No data available

**SECTION 10: STABILITY AND REACTIVITY**

Chemical Stability: <input type="checkbox"/> YES <input type="checkbox"/> NO	If no, under which conditions: Excessive heat
Incompatibility with Other Substances: <input type="checkbox"/> YES <input type="checkbox"/> NO	If yes, which ones?
Reactivity and under what conditions: N/A	
Hazardous Decomposition Products: Emits toxic fumes POX when heated to decomposition	



## SECTION 11: TOXICOLOGICAL INFORMATIONS

Acute Toxicity:			
Fairly severe skin irritant may cause pain and burs after a few minutes			
Skin and eye contact:			
Painful burns and redness and blurred vision			
Chronic toxicity:			
No data available			
Carcinogenicity:	No evidence available	Mutagenicity:	No evidence available

## SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity – Fish:	Dangerous to Aquatic Live in large concentrations
Aquatic Toxicity – Daphnia:	
Aquatic Toxicity – Algae:	
Bioaccumulation:	No data available
Biodegradability:	No data available
Mobility:	No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods:	Via an approved waste disposal company
Disposal of Packaging:	Via an approved waste disposal company

## SECTION 14: TRANSPORT INFORMATION

UN No:	1805	Class	8.1
Substance I.D No:	1805	Danger Group	III

## SECTION 15: REGULATORY INFORMATION

Risk Phases:		Safety Phases:	
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.



**Arrow-Chem**

Est. 1993

**Chemical Manufacturers**