



Tel: +27 11 900 3633

Cell: +27 633739195

Website: www.arrow-chem.co.za

Email: sales@thearrow.co.za

HC SOEKOE cc t/a ARROW CHEM

Reg No:2002/029572/23

Vat Reg No:4600249488

9 & 11 Evans Street
Alrode South
Alberton
South Africa

SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	LSR (LIQUID SCALE REMOVER)		
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:	sales@thearrow.co.za

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients	% Range	CAS Number	Toxicity information
Mineral acids and soluble solvents			

SECTION 3: HAZARDOUS IDENTIFICATION

Main Hazard:	Toxic and corrosive to tissue and mucous membranes
Flammability:	Non-flammable
Chemical Hazard:	Heat and chlorine gas liberated when in contact
Biological Hazard:	No data available
Reproduction Hazard:	No data available
Inhalation:	Non- irritant
Skin:	Medium irritant
Eyes:	Painful, burning, redness
Ingestion:	Toxic, abdominal pain and irritation
Carcinogenicity:	N/A
Mutagenicity:	N/A
Neurotoxicity:	N/A



SECTION 4: FIRST AID MEASURES

Product Inhaled:	Remove to fresh air
Product on Skin:	Wash with soap and water. See section 16(b)
Product in Eyes:	wash out with water for 15 minutes. See section 16 (b)
Product Ingested:	Refer section 16(b)

SECTION 5: FIRE FIGHTING IDENTIFIERS

FLAMMABLE:	YES	NO	If yes under which conditions:	Can decompose violently upon heating
		√		
Method of extinction:	Foam or dry chemical			
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
Precautions:	Do not release into natural waterways
Small Spills:	wash away with large amounts of water
Large Spills:	Contain with inert material and collect for disposal

SECTION 7: HANDLING AND STORAGE

Suitable Material:	Store in plastic drums
Handling/Storage Precautions:	Store in a cool dry place (section 16(a))



SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits:	N/A
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 showers, adequate ventilation. Avoid splashing wear goggles overalls plastic apron, gumboots and rubber gloves.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear water white foaming liquid	Odour: Typical solvent	Ph: Less than 2
Flush Point: N/A	Melting Point: N/A	Boiling Point: Greater than 90°C
Flammability: Non-Flammable	Solubility co-efficient: No data available	Density:
Solubility – Water: Soluble	Solubility – Solvent: Insoluble	Explosive Properties: N/A
Vapour Pressure: No data available	Oxidising Properties: N/A	Neurotoxicity N/A

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: <input type="checkbox"/> YES <input type="checkbox"/> NO	If no, under which conditions: heat
Incompatibility with Other Substances: <input type="checkbox"/> YES <input type="checkbox"/> NO	If yes, which ones? Oxidising agents
Reactivity and under what conditions: N/A	
Hazardous Decomposition Products: Refer section 16(a)	



SECTION 11: TOXICOLOGICAL INFORMATIONS

Acute Toxicity:			
Refer section 3			
Skin and eye contact:			
Refer section 3			
Chronic toxicity:			
Refer section 16©			
Carcinogenicity:	No evidence available	Mutagenicity:	No evidence available

SECTION 12: ECOLOGICAL INFORMATION

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

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

UN No:	1760	Class	8.1
Substance I.D No:	1760	Danger Group	III

SECTION 15: REGULATORY INFORMATION

Risk Phases:	R34/R20/R21/R22-R37	Safety Phases:	S26/S24/S25
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.

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