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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:	PORTASAN		
Product Use:	DEODERISER AND 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
Formaldehyde (Formalin)			

### SECTION 3: HAZARDOUS IDENTIFICATION

Main Hazard:	Combustible liquid. Formaldehyde gas may cause burns
Flammability:	Flammable
Chemical Hazard:	No data available
Biological Hazard:	Causes burn to skin
Reproduction Hazard:	No data available
Inhalation:	Causes coughing and shortness of breath
Skin:	Reacts with protein causing hardening and eventual cracking of the skin
Eyes:	Redness and irritation, impaired vision
Ingestion:	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. Obtain URGENT medical attention
Product on Skin:	Wash off with soap and water. seek medical attention
Product in Eyes:	Flush eyes with large amounts of water. seek medical attention
Product Ingested:	Obtain URGENT MEDICAL attention

**SECTION 5: FIRE FIGHTING IDENTIFIERS**

FLAMMABLE:	YES √	NO	If yes under which conditions:	N/A
Method of extinction:	Use dry chemical/co2/water/regular foam			
Flashpoint (°C) and Method:	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:	Toxic formaldehyde gas will be emitted			

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal Precautions:	Wear full protective clothing and respiratory equipment.
Precautions:	Do not release into natural waterways
Small Spills:	Sweep up
Large Spills:	Sweep up and collect for disposal

**SECTION 7: HANDLING AND STORAGE**

Suitable Material:	Plastic drum/containers
Handling/Storage Precautions:	Store in a cool dry place, away from sources of ignition



## SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits:	TLV 2PPM (Formaldehyde gas)										
Engineering Controls: safety showers and adequate ventilation.											
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: wear appropriate respirator when ventilation is inadequate. Protective clothing, safety goggles or shield and rubber gloves when in use.											

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Odour:	Ph:
Dark blue liquid	Formaldehyde	N/A
Flush Point:	Melting Point:	Boiling Point:
60°C	(-)15°C	100°C
Flammability:	Solubility co-efficient:	Density:
Flammable	No data available	1.04
Solubility – Water:	Solubility – Solvent:	Explosive Properties:
Soluble	No data available	Above 60°C – Explosive air vapour mixtures
Vapour Pressure:	Oxidising Properties:	Neurotoxicity
1.45mmHg at 25°C	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	Excessive heat
Incompatibility with Other Substances:	If yes, which ones?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Oxygen/hydrogen peroxide/alkali hydroxides/carbonated & amines.
Reactivity and under what conditions:	
N/A	
Hazardous Decomposition Products:	
Formaldehyde gas	



## SECTION 11: TOXICOLOGICAL INFORMATIONS

Acute Toxicity:			
Severe irritation/inflammation of mouth, throat, and stomach			
Skin and eye contact:			
Chemical burns- damage irreversible burn skin			
Chronic toxicity:			
May cause contact dermatitis			
Carcinogenicity:	Possible carcinogen	Mutagenicity:	No evidence available

## SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity – Fish:	Dangerous of Aquatic life
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:	Controlled incineration
Disposal of Packaging:	Controlled incineration

## SECTION 14: TRANSPORT INFORMATION

UN No:	2209	Class	3.3
Substance I.D No:	2209	Danger Group	III

## SECTION 15: REGULATORY INFORMATION

Risk Phases:	R22	Safety Phases:	S22/S25
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**