

MATERIAL SAFETY DATA SHEET  
PRODUCT NAME: TANK WASH

<b>1. Product and Company identification</b>	
Product Name	TANK WASH
Product Description	Heavy duty alkaline detergent suitable for use through backwash machines and for the interior cleaning of stainless steel tanks.
Manufacturer/ Supplier	Hychem (Pty) Ltd
Physical address	11/13 Silverstone Crescent Kyalami Business Park Midrand
Postal Address	PO Box 5742; Rivonia; 2128
Contact Details	Emergency: 011-4661885/ 073 442 4879

<b>2. Composition/ Information on ingredients</b>	
Chemical Nature	Alkaline light dark brown liquid
Components contributing to the hazard	Sodium Hydroxide
Chemical or generic name of components	Caustic Soda
Concentration range	Medium
VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1%	
Classification and hazard labelling	Corrosive label 8
Major hazard	Severe Irritant
UN/ CAS	UN1824
R-Phrases	R21, R22, R34, R41

<b>3. Hazard identification (Summary of most important hazards)</b>	
Hazard category	Corrosive 8
Adverse human health affects	Irritant to eyes, skin and if ingested
Environmental effects	Corrosive to human, animal and vegetable tissue
Classification of the chemical product	Not explosive or flammable

<b>4. First Aid Measures</b>	
<i>Note to first aiders : wear PVC gloves and eye protection when handling contaminated clothing</i>	
Action to be avoided	Do not induce vomiting
Inhalation	May cause irritation and damage to the respiratory tract.
Skin contact	Remove contaminated clothing, wash skin well with large volumes of water. Rinse with a dilute solution of vinegar and obtain medical assistance.
Eye contact	Act quickly, keep eyes open and flush with clean water for 30 minutes. Obtain medical assistance urgently.
Ingestion	Give +300ml of clean water to drink to dilute the material inside the stomach. Obtain medical assistance urgently.

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Note to physician	Treat symptomatically as for Sodium Hydroxide
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<b>5. Fire fighting measures</b>	
Extinguishing media	Non flammable
Inappropriate distinguishing media	Not applicable
Specific hazards	None
Special equipment for protection	None required

<b>6. Accidental release measures</b>	
Personal precautions	Wear protective clothing and equipment to prevent skin, eye contact and ingestion.
Environmental precautions	Do not allow product to enter soil, ground and waterways. Dangerous to aquatic life.
Methods for cleaning up recovery	Mechanically or liquid binding material i.e. sand
Neutralisation and disposal of spillage	Apply a strong solution of vinegar and remove to waste disposal area

<b>7. Handling and storage</b>	
Observe the usual precautionary measures for handling and storing chemicals	
Handling	Do not ingest, avoid eye and skin contact Ensure container is properly closed and not leaking
Storage	Keep container tightly closed in a dry secure area. Store away from acids and food stuff. Check containers regularly for leakage and possible distension. Material must be stored in accordance with local rules and legislation

<b>8. Exposure controls/ Personal protection</b>	
Control Parameters	
Limit values	To be monitored at the work place
Biological standards	Refer to UN and R-Phrase numbers
Monitoring procedures	Keep container closed when not in use
Personal protective equipment	Refer to the S-Phrase data
Protective clothing	Wear PVC gloves, protective eyewear, approved respirator and an apron
Personal hygiene measures	Wash contaminated clothing before storage and re-use

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<b>9. Physical and chemical properties</b>	
Form	Liquid
Colour	Clear light brown
Odour	Faint traces of solvent
PH Value	14
Boiling point	Not applicable
Flash point	Non flammable
Vapour pressure	Not ascertained
Vapour density	Not ascertained
Density	Not ascertained
Solubility	Soluble in water
Viscosity at 20°C	4.5 mPa.s
Specific gravity at 20°C	Not ascertained
% Volatile by volume	Not ascertained

<b>10. Stability and reactivity</b>	
Stability and possible hazardous reactions	Product is stable. Reacts violently with acids
Conditions/ materials to avoid	Do not mix or store with acids
Hazardous decomposition	No decomposition if stored and used in accordance with provisions for use.

<b>11. Toxicological information</b>	
LD 50test on animals available on certain raw materials in product	
Acute Toxicity	Product is corrosive to all tissues
Local effects	Ulceration and scarring may result
Sensitisation	Causes severe eye and skin irritation
Chronic toxicity	No data available
Long term toxicity	No data available

<b>12. Ecological information</b>	
Possible environmental effects	Dangerous to aquatic life
Behaviour and fate	Soluble in water. Avoid product spillage from entering waterways.
Persistence/ Biodegradability	No data available

<b>13. Disposal considerations</b>	
Disposal of chemical product	According to the local rules and legislation
Disposal of contaminated packaging	Recommended cleaning agent - water

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<b>14. Transport regulations</b>	
Packaging group	III
Un Group	1824
Hazardous classification	Class 8 - Corrosive

<b>15. Regulatory information</b>	
National legislation	Contact local authorities. Refer to the below Risk and Safety Phrases Data
Hazard and safety information	Take usual good care
EEC hazard classification Risk phrases	R21 – Harmful in contact with eyes
	R22 – Harmful if swallowed
	R34 – Causes burns
	R41 – Risk of serious damage to eyes
EEC hazard classification Safety phrases	S7 – keep container tightly closed
	S13 – Keep away from food, drink and animal feed
	S18 – Handle and open container with care
	S25 – Avoid contact with the eyes
	S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S27 – Remove contaminated clothing
	S28 – After contact with skin, wash with plenty of water
	S36 – Wear suitable protective clothing

<b>16. Additional information (e.g. special training or restrictions on the products use)</b>	
Refer to product data sheet	
This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.	