

MATERIAL SAFETY DATA SHEET  
PRODUCT NAME: MULTI KLEEN

<b>1. Product and Company identification</b>	
Product Name	MULTI KLEEN
Product Description	Mild Alkaline Non Ionic Detergent
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

<b>2. Composition/ Information on ingredients</b>	
Chemical Nature	Alkaline liquid
Components contributing to the hazard	Sodium Hydroxide
Chemical or generic name of components	NaOH
Concentration range	Low
VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1%	
Classification and hazard labelling	Xi Irritant
Major hazard	Irritant
UN/ CAS	Not Classified as Hazardous
R-Phrases	R36

<b>3. Hazard identification (Summary of most important hazards)</b>	
Hazard category	Xi Irritant
Adverse human health affects	Slightly irritating to the eyes and skin
Environmental effects	None known
Classification of the chemical product	At concentrations recommended no significant effects occur

<b>4. First Aid Measures</b>	
Action to be avoided	None
Inhalation	None required
Skin contact	None required
Eye contact	Keep eyes open and flush with clean water
Ingestion	Wash out mouth with clean water
Note to physician	Treat symptomatically as for sodium hydroxide

<b>5. Fire fighting measures</b>	
Extinguishing media	Non flammable
Inappropriate distinguishing media	Not applicable
Specific hazards	Not applicable
Special equipment for protection	Not applicable

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<b>6. Accidental release measures</b>	
Personal precautions	Avoid eye and skin contact. Do not ingest.
Environmental precautions	Avoid large spills from entering waterways
Methods for cleaning up recovery	Neutralize, Flush with water
Neutralisation and disposal of spillage	Neutralise with a weak acid before disposal

<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>	
<u>Control Parameters</u>	
Limit values	None
Biological standards	Refer to R and S-Phrase numbers
Monitoring procedures	Keep container closed when not in use
Personal protective equipment	None required
Protective clothing	In abnormal conditions wear goggles
Personal hygiene measures	Wash contaminated clothing before storage and re-use

<b>9. Physical and chemical properties</b>	
Form	Liquid
Colour	Clear dark blue
Odour	Mild
PH Value	Mild Alkaline
Boiling point/ boiling range °C	Not applicable
Flash point	Non flammable
Vapour pressure	Not applicable
Vapour density	Not applicable
Density	Not applicable
Solubility	Soluble in water
Viscosity at 20°C	Not applicable
Specific gravity at 20°C	Not ascertained
% Volatile by volume	Not applicable

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<b>10. Stability and reactivity</b>	
Stability and possible hazardous reactions	Product is stable
Conditions/ materials to avoid	Acids
Hazardous decomposition	Not applicable

<b>11. Toxicological information</b>	
LD 50test on animals available on certain raw materials in product	
Acute Toxicity	Can cause eye and skin irritation
Local effects	Can cause eye and skin irritation
Sensitisation	None known
Chronic toxicity	None known
Long term toxicity	None known

<b>12. Ecological information</b>	
Possible environmental effects	At in use concentrations not hazardous, in the case of a large spill could prove negative
Behaviour and fate	Soluble in water
Persistence/ Biodegradability	Biodegradable in water

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

<b>14. Transport regulations</b>	
Packaging group	Product is not classified for any mode of transport

<b>15. Regulatory information</b>	
National legislation	Refer to the below Risk and Safety phrase Data
Hazard and safety information	Take usual good care
EEC hazard classification Risk phrases	R36 – Irritating to the eyes
EEC hazard classification Safety phrases	S7 – Keep container tightly closed
	S13 – Keep away from food, drink and animal food
	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

<b>16. Additional information (e.g. special training or restrictions on the products use)</b>	
Refer to product data sheet	

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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.