

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ALUKLEEN

1. Product and Company identification	
Product Name	ALUKLEEN
Product Description	Aluminium degreaser
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

2. Composition/ Information on ingredients	
Chemical Nature	Blend of surfactants, builders, and alkali's
Components contributing to the hazard	Sodium Metasilicate
Chemical or generic name of components	Sodium Silicate, Metso
Concentration range	Medium
VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1%	
Classification and hazard labelling	Corrosive 8
Major hazard	XI Irritant
UN/ CAS	UN 3253
R-Phrases	R22, R34, R36, R37, R38

3. Hazard identification (Summary of most important hazards)	
Hazard category	XI Irritant (mild)
Adverse human health affects	Could be Irritating to eyes, skin and respiratory system. Could be harmful if swallowed
Environmental effects	None known
Classification of the chemical product	Not classified as dangerous if used in accordance with provisions of use. At concentrations recommended for cleaning purposes, no significant effects occur

4. First Aid Measures	
Action to be avoided	Do not induce vomiting
Inhalation	Remove patient from exposure
Skin contact	Wash with large quantities of water
Eye contact	Keep eyes open and flush with clean water for at least 15 minutes
Ingestion	Wash out mouth with water and give 200-300ml of water to drink. Do not induce vomiting.
Note to physician	Treat symptomatically as for mild alkali detergent

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5. Fire fighting measures	
Extinguishing media	Dry chemical, CO2, water spray or standard foam
Inappropriate distinguishing media	Not applicable
Specific hazards	None
Special equipment for protection	Wear self contained breathing apparatus

6. Accidental release measures	
Personal precautions	Avoid eye contact, do not ingest. Wear protective gloves, eyewear and face mask if required.
Environmental precautions	None
Methods for cleaning up recovery	Flush with water
Neutralisation and disposal of spillage	No neutralisation required

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

8. Exposure controls/ Personal protection	
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	In abnormal conditions use an approved respirator and wear protective eyewear
Personal hygiene measures	Wash contaminated clothing before storage and re-use

9. Physical and chemical properties
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Form	Powder
Colour	Pale blue
Odour	None
PH Value	10.00
Boiling point/ boiling range °C	Not applicable
Decomposition temperature	60°C
Flash point	Not applicable
Vapour pressure	Not ascertained
Vapour density	Not ascertained
Density	1
Solubility	Soluble in water
Viscosity at 20°C	Not applicable
Specific gravity at 20°C	Not applicable

10. Stability and reactivity

Stability and possible hazardous reactions	Product is stable
Conditions/ materials to avoid	Acids and food stuff
Hazardous decomposition	No decomposition if used and stored in accordance with provisions for use

11. Toxicological information

LD 50test on animals available on certain raw materials in product	
Acute Toxicity	None known
Local effects	Mild Irritation
Sensitisation	None known
Chronic toxicity	None known
Long term toxicity	None

12. Ecological information

Possible environmental effects	No adverse effects
Behaviour and fate	Soluble in water. Avoid large product spillage from entering waterways
Persistence/ Biodegradability	Biodegradable in water

13. Disposal considerations

Disposal of chemical product	According to the local rules and legislation
Disposal of contaminated packaging	Recommended cleaning agent - water

14. Transport regulations

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Packaging group	III
Classification	Corrosive Class 8
UN classification number	UN 3253

15. Regulatory information

National legislation	Refer to the below Risk and Safety phrase Data
Hazard and safety information	Take usual good care
EEC hazard classification Risk phrases	R22 – Harmful if swallowed
	R34 – Causes burns
	R36 – Irritating to the eyes
	R37 – Irritating to the respiratory system
	R38 – Irritating to the skin
EEC hazard classification Safety phrases	S7 – Keep container tightly closed
	S13 – Keep away from food, drink and animal feeding stuff
	S18 – Open and handle container with care
	S24/25 – Avoid contact with the skin and eyes
	S26 – In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice
	S27 – Remove contaminated clothing
	S36/37 – Wear suitable protective clothing & gloves
	S39 – Wear eye protection
	S45 – In case of an accident or you feel unwell seek medical attention

16. Additional information (e.g. special training or restrictions on the products use)

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.