

## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: WINDOWKLEEN

<b>1. Product and Company identification</b>	
Product Name	WINDOWKLEEN
Product Description	Window, Glass and Mirror Cleaner
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	Clear Light Blue Liquid
Components contributing to the hazard	Methanol, Propanol
Chemical or generic name of components	Methyl Alcohol, Propyl Alcohol
Concentration range	Low
VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1%	
Classification and hazard labelling	III Flammable (Flash Point 70c)
Major hazard	Flammable
UN/ CAS	UN1993
R-Phrases	R10, R22, R26

<b>3. Hazard identification (Summary of most important hazards)</b>	
Hazard category	Flammable III
Adverse human health affects	Slightly Irritating to eyes
Environmental effects	Not ascertained
Physical hazard	Handle open container with care

<b>4. First Aid Measures</b>	
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 min. Obtain medical attention
Ingestion	Give large volumes of water to drink if available. Obtain medical attention.
Note to physician	Can cause rash to sensitive skin. Treat symptomatically as for methanol

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<b>5. Fire fighting measures</b>	
Extinguishing media	Use dry chemical powder, CO <sub>2</sub> , foam or water spray
Inappropriate distinguishing media	None Known
Specific hazards	None
Special equipment for protection	Wear MSNA/NIOSH approved self contained breathing apparatus or equivalent and full protective gear

<b>6. Accidental release measures</b>	
Personal precautions	Wear protective clothing and equipment to prevent eye, skin contact and ingestion
Environmental precautions	Prevent the product to enter soil or waterways
Methods for cleaning up recovery	Mechanically or liquid binding material i.e. sand
Neutralisation and disposal of spillage	No neutralisation required 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 food stuff, and open flame. 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 appropriate protective clothing ie.gloves, 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	Light Blue
Odour	Not applicable
PH Value	11
Boiling point	Not ascertained
Flash point	70c
Vapour pressure	Not ascertained
Vapour density	Not ascertained
Density	1.00
Solubility	Soluble in water
Viscosity at 20°C	4.5mPa.s.
Specific gravity at 20°C	1.00
% Volatile by volume	Not ascertained

<b>10. Stability and reactivity</b>	
Stability and possible hazardous reactions	Product is stable
Conditions/ materials to avoid	Avoid food stuff, and open flames.
Hazardous decomposition	None is stored and used in accordance with the provisions of use

<b>11. Toxicological information</b>	
LD 50test on animals available on certain raw materials in product	
Acute Toxicity	Not ascertained
Local effects	Not ascertained
Sensitisation	Not ascertained
Chronic toxicity	None known
Long term toxicity	Not ascertained

<b>12. Ecological information</b>	
Possible environmental effects	Not known
Behaviour and fate	Soluble in water Avoid product from entering waterways
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 – water

<b>14. Transport regulations</b>	
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UN1993

Packaging Group: III

Hazard Class: 3 Flammable

<b>15. Regulatory information</b>	
National legislation	Refer to the below Risk and Safety phrase Data
Hazard and safety information	Take usual good care as per UN2810
EEC hazard classification Risk phrases	R10 – Flammable
	R22- Harmful if Swallowed
	R36 – Irritating to the eyes
EEC hazard classification Safety phrases	S7 – Keep container tightly closed
	S18 – Open and handle container with care
	S24 – Avoid contact with skin
	S25 – Avoid contact with eyes
	S26 – In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice
	S27 – Remove contaminated clothing
	S28 – After contact with skin, rinse 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.