

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ELECTRIC MOTOR CLEANER

<b>1. Product and Company identification</b>	
Product Name	ELECTRIC MOTOR CLEANER
Product Description	General Purpose Quick Drying Electrical Parts 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: 011-466 1885/ 073 442 4879

<b>2. Composition/ Information on ingredients</b>	
Chemical Nature	White Liquid
Components contributing to the hazard	White Spirit, Tetrachloroethylene
Chemical or generic name of components	White Spirit, Perc
Concentration range	High, High
VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1%	
Classification and hazard labelling	Poisonous liquid, N.O.S (contains white spirits & Tetrachloroethylene)
Major hazard	White spirits & Tetrachloroethylene
UN/ CAS	2810
R-Phrases	R22, R36, R51

<b>3. Hazard identification (Summary of most important hazards)</b>	
Hazard category	Poisonous Liquid
Adverse human health affects	Irritating to the eyes, skin and airways
Environmental effects	Toxic if ingested

<b>4. First Aid Measures</b>	
Action to be avoided	Do not induce vomiting
Inhalation	In case of inhalation remove to fresh air
Skin contact	Flush with clean water, if irritation persists seek medical attention
Eye contact	Flush with large volumes of clean water for 15min
Ingestion	Do not induce vomiting, drink large amounts of water. Seek medical attention if required.
Note to physician	Treat symptomatically as for Perchloroethylene

<b>5. Fire fighting measures</b>	
Extinguishing media	Use dry chemical powder, CO2 or foam
Inappropriate distinguishing media	None known
Specific hazards	Fumes may cause nausea and unconsciousness

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Special equipment for protection	Wear self contained breathing apparatus
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<b>6. Accidental release measures</b>	
Personal precautions	Avoid eye contact and do not ingest
Environmental precautions	Water contamination, do not allow product to enter soil, ground, drains and waterways.
Methods for cleaning up recovery	Mechanically or liquid binding material i.e. sand
Neutralisation and disposal of spillage	Absorb spills with absorbent, non-combustible matter 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 contact Ensure container is properly closed and not leaking. Do not mix with other chemicals. Wear correct protective clothing when handling ie. Gloves, apron
Storage	Keep container tightly closed in a dry secure area. Store away from sources of ignition and heat. Keep away from oxidising agents and food stuffs. 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	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	None required
Personal hygiene measures	Wash contaminated clothing before storage, re-use

<b>9. Physical and chemical properties</b>	
Form	Liquid
Colour	Clear Water White
Odour	Not applicable
PH Value	Not ascertained
Boiling point	Not ascertained
Flash point	70°C
Vapour pressure	Not ascertained
Vapour density	Not ascertained

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Density	Not applicable
Solubility	Miscible in water
Viscosity at 20°C	Not ascertained
Specific gravity at 20°C	Not ascertained

**10. Stability and reactivity**

Stability and possible hazardous reactions	Product is stable
Conditions/ materials to avoid	Heat above 70c
Hazardous decomposition	No decomposition if stored and used in accordance with the provisions for use

**11. Toxicological information**

LD 50test on animals available on certain raw materials in product

Acute Toxicity	Swallowing can cause nausea, vomiting and loss of consciousness
Local effects	Symptoms may arise if product is mishandled
Sensitisation	Can cause severe eye irritation
Chronic toxicity	None known
Long term toxicity	Hazardous in case of continuous inhalation

**12. Ecological information**

Possible environmental effects	Toxic to aquatic organisms
Behaviour and fate	Avoid large volumes of product spillage from entering waterways
Persistence/ Biodegradability	Not established

**13. Disposal considerations**

Disposal of chemical product	According to the local rules and legislation
Disposal of contaminated packaging	At any government approved waste disposal facility

**14. Transport regulations**

Packaging group/ Danger group	III
Class	6.1
Additional regulations	None known
Precautionary measures and conditions	As for handling chemicals relating to UN2810

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<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	R22 – Harmful if swallowed
	R36 – Irritating to eyes
	R51 – Toxic to aquatic organisms
EEC hazard classification Safety phrases	S3 – Keep in a cool place
	S15 – Keep away from heat
	S16 – Keep away from sources of ignition (no smoking)
	S17 – Keep away from combustible material
	S25 – Avoid contact with the eyes
	S29 – Do not empty into drains

<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.