

MATERIAL SAFETY DATA SHEET  
PRODUCT NAME: NON FLASH

<b>1. Product and Company identification</b>	
Product Name	NON FLASH
Product Description	Electrical Solvent with no flashpoint
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

<b>2. Composition/ Information on ingredients</b>	
Chemical Nature	Clear Liquid
Components contributing to the hazard	Perchloroethylene
Chemical or generic name of components	Perc
Concentration range	High
VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1%	
Classification and hazard labelling	
Major hazard	Potential Carcinogen/Marine Pollutant
UN/ CAS	CAS127-18-4/ UN1897
R-Phrases	R40, R51, R53

<b>3. Hazard identification (Summary of most important hazards)</b>	
Hazard category	22
Adverse human health affects	Potential Carcinogen, Harmful to Aquatic Organisms
Environmental effects	Classified as a Marine Pollutant

<b>4. First Aid Measures</b>	
Action to be avoided	None
Inhalation	Remove to Fresh Air. Seek medical assistance if there is any difficulty breathing
Skin contact	Remove contaminated clothing and wash with detergent.
Eye contact	Keep eyes open and flush with clean water for at least 15 minutes, seek medical assistance.
Ingestion	Wash out mouth with clean water
Note to physician	Treat symptomatically as for Perchloroethylene

<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 inhale. Do not ingest.
Environmental precautions	Avoid large spills from entering waterways
Methods for cleaning up recovery	Absorb spillage, Flush with water
Neutralisation and disposal of spillage	Absorb spillage , do not allow to enter waterways.

<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
Odour	Mild
PH Value	Not available
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 organic solvents
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 under normal conditions
Conditions/ materials to avoid	ACIDS (STRONG) – Incompatible. ALUMINIUM: May form explosive mixture BARIUM – Forms a detonable mixture. BASE – May form explosive mixture. BERYLLIUM – Possible explosive mixture. DINITROGEN TETRAOXIDE - explosive when subjected to extreme shock. METALS (LIGHT) – Violent reaction. OXIDIZERS – Incompatible. PLASTICS, RUBBER AND COATINGS – May be attacked. POTASSIUM HYDROXIDE – May form explosive mixture. SODIUM HYDROXIDE – may form explosive mixture
Hazardous decomposition	May react violently with metals such as sodium, potassium, and barium galvanised surfaces to produce highly toxic dichloroacetylene. Decomposes when exposed to high temperatures generating phosgene gas.

<b>11. Toxicological information</b>	
LD 50test on animals available on certain raw materials in product	
Acute Toxicity	May cause severe adverse effects at very high concentrations of inhalation
Local effects	Not Known
Sensitisation	None known
Chronic toxicity	Repeated exposure to high levels may produce adverse effects on the liver and kidneys.
Long term toxicity	None known

<b>12. Ecological information</b>	
Possible environmental effects	Shows some toxicity to aquatic organisms. This effects is mitigated by its rapid evaporation from open water systems.
Behaviour and fate	Insoluble in water
Persistence/ Biodegradability	Degrades fairly rapidly in lower atmosphere (troposphere). Atmospheric life time approximately 5 months. Does not deplete ozone layer.

<b>13. Disposal considerations</b>	
Disposal of chemical product	According to the local rules and legislation

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Disposal of contaminated packaging	Recommended cleaning agent is water
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<b>14. Transport regulations</b>	
Hazard Category	6.1
UN Number	1897
Packaging group	III

<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	R40 - Limited evidence of a carcinogenic effect
	R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
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	
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.	