

## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: HYDRY

<b>1. Product and Company identification</b>	
Product Name	HYDRY
Product Description	Heavy Duty DishMachine Rinse Aid
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 Turquoise Blue Liquid
Components contributing to the hazard	1. Sodium Polyacrylate 2. Block Polymer
Chemical or generic name of components	N/A
Concentration range	1. Low 2. Low
VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1%	
Classification and hazard labelling	Potential Environmental Hazard, Mild Irritant
Major hazard	Xi Irritant
UN/ CAS	UN3082
R-Phrases	R36, R51

<b>3. Hazard identification (Summary of most important hazards)</b>	
Hazard category	Mild Irritant
Adverse human health affects	Mild Irritant to eyes. Maybe harmful if ingested in large quantities.
Environmental effects	Toxic to aquatic organisms if released directly into water systems.
Classification of the chemical product	Not expected to be harmful if used as intended.

<b>4. First Aid Measures</b>	
Action to be avoided	Do not induce vomiting
Inhalation	Not applicable
Skin contact	No harmful effects expected. If Hydry does come into contact with skin wash off with water.
Eye contact	Immediately flush open eyes with copious quantities of clear water for at least 15 minutes.
Ingestion	Do not induce vomiting. Wash out mouth with water and give 200-300ml of clean water to drink.
Note to physician	Treat symptomatically as for general detergent.

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<b>5. Fire fighting measures</b>	
Extinguishing media	Non flammable
Inappropriate distinguishing media	Not applicable
Specific hazards	None
Special equipment for protection	Not applicable

<b>6. Accidental release measures</b>	
Personal precautions	Avoid eye and skin contact. Do not ingest
Environmental precautions	Do not allow the product to enter soil, ground and waterways. Toxic to aquatic life
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. Keep out of reach of children. 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	In abnormal conditions use an approved respirator PVC gloves and eyewear
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	Clear Turquoise Blue
Odour	Mild
PH Value	5
Boiling point/ boiling range °C	Not ascertained
Flash point	Non Flammable
Vapour pressure	Not ascertained
Vapour density	Not ascertained
Density	Not ascertained
Solubility	Soluble in water
Viscosity at 20°C	5mPa.s.
Specific gravity at 20°C	1.020 (+/- 0.02)

<b>10. Stability and reactivity</b>	
Stability and possible hazardous reactions	Product is stable
Conditions/ materials to avoid	None
Hazardous decomposition	No decomposition if used and stored in accordance with provisions for use

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

<b>12. Ecological information</b>	
Possible environmental effects	No adverse effects
Behaviour and fate	Soluble in water. Avoid large product spillage from entering waterways
Persistence/ Biodegradability	Not known

<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>	
Packaging group	III
Classification	Class 9
UN	3082

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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	R36 – Irritating to the eyes
	R51 – Toxic to aquatic organisms
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
	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

<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.