

MATERIAL SAFETY DATA SHEET
PRODUCT NAME: STAINEX

1. Product and Company identification	
Product Name	STAINEX
Product Description	Concentrated low foaming destainer for laundries
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/ 073 442 4879

2. Composition/ Information on ingredients	
Chemical Nature	Water white acidic liquid
Components contributing to the hazard	1. Hydrogen Peroxide 2. Acetic Acid
Chemical or generic name of components	Hyperox, N/A
Concentration range	High, Medium
VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1%	
Classification and hazard labelling	Class 5.1 / Oxidising agent
Major hazard	Oxidant
UN/ CAS	UN2014
R-Phrases	R8, R20, R21, R22, R34, R41

3. Hazard identification (Summary of most important hazards)	
Hazard category	5.1 Oxidising agent
Adverse human health affects	Can cause severe irritation to eyes, throat, lungs and skin
Physical hazard	Initiates combustion of flammable materials by ignition through releases of oxygen and heat (150 °C) when decomposes
Environmental effects	None ascertained
Classification of the chemical product	Non-flammable, non combustible in the formulation for the use manufactured

4. First Aid Measures	
Action to be avoided	Do not induce vomiting
Inhalation	Remove patient from exposure to fresh air
Skin contact	Wash with large quantities of water If irritation persists obtain medical advice
Eye contact	Keep eyes open and flush with clean water for at least 15 minutes
Ingestion	Rinse out mouth with water and give 200-300ml of water to drink. Do not induce vomiting.
Note to physician	Treat as for contact with Hydrogen Peroxide. Can cause burning sensation to skin and eyes

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5. Fire fighting measures	
Extinguishing media	Use water for fires resulting from spillage
Inappropriate distinguishing media	Foam or dry chemical extinguishers
Specific hazards	None known
Special equipment for protection	Wear self contained breathing apparatus

6. Accidental release measures	
Personal precautions	Wear full protective clothing including mask
Environmental precautions	Unstable when in contact with rust, dirt, organic material and chemicals with PH above 4. Incompatible with heavy metals – iron, galvanised iron, copper alloys, wood, paper and other combustibles
Methods for cleaning up recovery	Flush with plenty of water and run to waste
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 and skin contact. Avoid excessive heat. Ensure container is properly closed and not leaking. Handling systems must exclude iron, brass and copper.
Storage	Keep container tightly closed in a cool, ventilated secure area. Store away from food stuff and out of reach of children. Also note section 6 on environmental precautions. Check containers regularly for leakage and possible distension. Material must be stored in accordance with local rules and legislation

8. Exposure controls/ Personal protection	
<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	Wear an approved respirator, protective eyewear, PVC gloves and an apron
Personal hygiene measures	Wash contaminated clothing before storage and re-use

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9. Physical and chemical properties	
Form	Liquid
Colour	Clear water white
Odour	Sharp/Acetic
PH Value	1.00
Boiling point/ boiling range °C	108°C
Flash point	Non flammable
Vapour pressure	Not ascertained
Vapour density	Not ascertained
Density	Not applicable
Solubility	Soluble in water
Viscosity at 20°C	4.5mPa.s.
Specific gravity at 20°C	1.08 (+/- 0.02)

10. Stability and reactivity	
Stability and possible hazardous reactions	Product is stabilised in the container, once the product is contaminated it may become unstable
Conditions/ materials to avoid	Refer to section 6
Hazardous decomposition	Refer to section 6

11. Toxicological information	
LD 50test on animals available on certain raw materials in product	
Acute Toxicity	No data available
Local effects	Can cause immediate burning to skin and eyes
Sensitisation	None Known
Chronic toxicity	No data available
Long term toxicity	No data available

12. Ecological information	
Possible environmental effects	No data available
Behaviour and fate	Soluble in water. Avoid excessive heat or contamination
Persistence/ Biodegradability	No data available

13. Disposal considerations	
Disposal of chemical product	According to the local rules and legislation
Disposal of contaminated packaging	Recommended cleaning agent is plenty of water. Wrap with non-combustible absorbent material and place in dedicated waste container

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14. Transport regulations	
Packaging group	III
UN classification number	UN2014
Classification	5.1 Oxidising agent

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	R8 – Contact with combustible material may cause fire
	R20 – Harmful by inhalation
	R21 – Harmful in contact with skin
	R22 – Harmful if swallowed
	R34 – Causes burns
	R41 – Risk of serious damage to eyes
EEC hazard classification Safety phrases	S3 – Keep in a cool place
	S7 – Keep container tightly closed
	S15 – Keep away from heat
	S13 – Keep away from food, drink and animal feeding stuff
	S17 – Keep away from combustible material
	S18 – Open and handle container with care
	S24 – Avoid contact with the skin
	S25 – Avoid contact with the eyes
	S26 – In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice
	S27 – Remove contaminated clothing
	R36 – Wear suitable protective clothing

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.