


SAFETY DATA SHEET

PRODUCT NAME: Permabrite WS

1. PRODUCT AND COMPANY IDENTIFICATION	
Product Name	Permabrite WS
Product Description/ Use	Enzymatic Laundry Powder for Hard Water Conditions
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

2. HAZARDS IDENTIFICATION		
Classification of the product:		
Skin Corrosion/ Eye Irritation	2	Causes skin irritation.
Serious Eye Damage/ Eye Irritation	2A	Causes serious eye irritation
Label Elements		
Pictograms:		
 GHS07 Harmful		
Signal Words: Warning		
Hazard Statements: H315 Causes Skin Irritation H319 Causes serious eye irritation		
Precautionary Statements: P264 Wash with plenty of water and soap thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: wash with plenty of water. P321 Specific treatment (see FIRST AID on label). P332+P313 IF SKIN irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. P337+P313 IF eye irritation persists: Get medical advice/attention.		

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<b>3. COMPOSITION/ INFORMATION ON INGREDIENTS</b>		
<b>Component</b>	<b>CAS Number</b>	<b>Weight %</b>
Sodium Carbonate	497-19-8	50-70%
Sodium Metasilicate	6834-92-0	10-20%
Sodium Perborate	10332-33-9	<10%
Phenol Ethoxylate	84852-15-3	<10%
Non-hazardous components to make up to 100%		
Exact percentages withheld as a trade secret		

<b>4. FIRST AID MEASURES</b>	
Inhalation	Keep patient calm, remove to fresh air, seek medical attention.
Skin contact	Immediately wash thoroughly with plenty of water. Remove contaminated clothing.
Eye contact	Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, seek medical assistance.
Ingestion	Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
Note to physician	Treat according to symptoms no known specific antidote.

<b>5. FIRE-FIGHTING MEASURE</b>	
Extinguishing media	Product is not expected to be flammable. Use dry chemical, foam, or carbon dioxide to extinguish fire. Water may be ineffective but should be used to cool fire-exposed containers, structures and to protect personnel. Use water to dilute spills and to flush them away from sources of ignition.
Specific Hazards arising from substance or mixture	None known
Advice for Fire Fighters	Protective equipment for fire-fighting: Wear a self-contained breathing apparatus.
Further Information	The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective equipment and emergency procedures	Use personal protective clothing. Information regarding personal protective measures see, section 8.
Environmental precautions	Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.
Methods for cleaning up recovery	Small spills: Place into containers for later disposal. Large spills: Do not flush to sewer or waterways. Prevent release to the environment if possible.
Neutralisation and disposal of spillage	None required

7. HANDLING AND STORAGE	
Observe the usual precautionary measures for handling and storing chemicals	
Handling	Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use. Keep away from heat and flame.
Storage	Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles. Store at ambient or lower temperature. Store out of direct sunlight. Keep containers tightly closed and upright when not in use. Protect against physical damage.  Empty containers may contain toxic, flammable and explosive residue or vapours. Do not cut, grind, drill, or weld on or near containers unless precautions are taken against these hazards.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION		
Exposure Limits: Not known		
Component	TWA	STEL
Not ascertained		
<b>Personal Protective Equipment:</b> Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.		

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Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapour/aerosol release.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles).

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	Free Flowing Powder with Green Specks
Colour	White
Odour	Lemon
PH Value	14 (5% Solution)
Boiling point/ boiling range (°c)	Not known
Flash point (°c)	N/A
Solubility	Soluble in water
Viscosity at 20°c	Not ascertained
Specific gravity at 20°c	Not ascertained

**10. Stability and reactivity**

Stability and possible hazardous reactions	No hazardous reactions if stored and handled as prescribed/indicated.
Conditions/ materials to avoid	None
Hazardous decomposition	No decomposition if used and stored in accordance with provisions for use.

**11. Toxicological information**

\*LD 50test on animals available on certain raw materials in product on request

Acute Effects	Eye Contact: May cause irritation. Skin Contact: None expected during normal use except in exceptional cases irritation may occur. Inhalation: Unlikely to present a mode of contact due to product form. Ingestion: May cause digestive distress.
Chronic Effects	Not ascertained

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<b>12. Ecological information</b>	
Toxicity	Not known
Persistence/ Biodegradability	Not known
Mobility in Soil	Not known
Additional Information	None

<b>13. Disposal considerations</b>	
Disposal of chemical product	Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with local authority regulations.
Disposal of contaminated packaging	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorised use of used containers.

<b>14. Transport regulations</b>	
Not classified as hazardous for transport	

<b>15. REGULATORY INFORMATION</b>	
Labeling accordance with SANS 10234 latest revision.	OHS Act, 1993(Act No. 85 of 1993). Hazardous Substance Regulation of 1995
Hazard Statements	H315 Causes Skin Irritation H319 Causes serious eye irritation
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<b>16. ADDITIONAL INFORMATION (E.G. SPECIAL TRAINING OR RESTRICTIONS ON THE PRODUCTS USE)</b>	
Refer to product data sheet for product use directions	
The information contained herein is accurate to the best of our knowledge. Hychem (Pty) Ltd makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.	