


1. PRODUCT AND COMPANY IDENTIFICATION	
Product Name	Permabrite
Product Description / Use	Enzymatic Laundry Powder
Manufacturer/ Supplier	Hychem (Pty) Ltd
Physical address	152 15th Road, Randjesfontein, 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
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.
Label Elements:	
Pictograms	
3. COMPOSITION/ INFORMATION ON INGREDIENTS	
Component CAS Number Weight	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%
Remainder of the formulation is made up from non-hazardous materials and retained as a trade secret.	
4. FIRST AID MEASURES	
Inhalation	Keep patient calm, remove to fresh air, seek medical attention.
Skin Contact	Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.
Eye Contact	Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
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.
5. FIRE-FIGHTING MEASURE	

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	
Advice for Fire Fighters	Protective equipment for firefighting: 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.
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	
Neutralisation and disposal of spillage	
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 vapours 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. Keep operating temperatures below ignition temperatures at all times. Use non-sparking tools.
Storage	Store in tightly closed containers in cool, dry, well ventilated area away from heat, sources of ignition and incompatibles. Ground lines and equipment used during transfer to reduce the possibility of static spark-initiated fire or explosion. 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:	
Component Permissible Limit Basis	
Personal Protective Equipment	Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.
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.
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)	NA
Flash point (°c)	NA
Solubility	Solubler In Water
Viscosity at 20°c	NA
Specific gravity at 20°c	NA
Free Alkalinity	NA
Total Acid	NA
10. STABILITY AND REACTIVITY	
Stability and possible hazardous reactions	No hazardous reactions if stored and handled as prescribed/indicated.
Conditions/ materials to avoid	None known
Hazardous decomposition	No decomposition if used and stored in accordance with provisions for use.
11. TOXICOLOGICAL INFORMATION	
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	
12. ECOLOGICAL INFORMATION	
Toxicity	Not Known
Persistence/ Biodegradability	Not Known
Mobility in Soil	Not Known
Additional Information	None
13. DISPOSABLE CONSIDERATIONS	
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.
14. TRANSPORT REGULATIONS	
Proper Shipping Name	
UN Number	
Hazard Class	
Packaging Group	
Labels Required	
15. REGULATORY INFORMATION	
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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16. ADDITIONAL INFORMATION (E.G. SPECIAL TRAINING OR RESTRICTIONS ON THE PRODUCTS USE)

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