


SAFETY DATA SHEET

PRODUCT NAME: HYWASH

1. PRODUCT AND COMPANY IDENTIFICATION	
Product Name	Hywash
Synonyms	N/A
Product Description/ Use	Alkali Dish Machine Detergent
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:
Health Hazard: Skin Corrosion/Irritation (Category 1A): Causes severe skin burns and eye damage
Label Elements:
Pictograms:  GH505 Corrosive
Signal Words: Danger
Hazard Statements: H314 Causes severe skin burns and eye damage.
Precautionary Statements: P260 Do not breathe dust/fume/gas/mist/vapors/spray. P264 Wash with plenty of water and soap thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+ P351+ P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+ P330+ P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+ P361+ P353+ P363 IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower]. P304+ P340+ P310+ P321 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P405 Store locked up. P501 Dispose of contents/container to approved waste disposal contractor.

3. COMPOSITION/ INFORMATION ON INGREDIENTS		
Component	CAS Number	Weight %

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Sodium Hydroxide	1310-73-2	<20%
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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. Treat as per strong alkali.

5. FIRE-FIGHTING MEASURE	
Extinguishing media	Not applicable
Specific Hazards arising from substance or mixture	Not applicable
Advice for Fire Fighters	Not applicable
Further Information	Product is not considered flammable.

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: Take up with sand or other non-combustible absorbent material and place into containers for later disposal. Large spills: Dike far ahead of liquid spill for later disposal. Do not flush to sewer or waterways. Prevent release to the environment if possible.
Neutralisation and disposal of spillage	Spillage should be neutralised with a weak acidic solution prior to clean up and disposal. Care must be taken addition of acid will create an exothermic reaction.

7. HANDLING AND STORAGE
Observe the usual precautionary measures for handling and storing chemicals

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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.
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:

Component	Permissible Limit	Basis
Sodium Hydroxide	2 mg/m ³	OSHA

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	Liquid
Colour	Red
Odour	Not applicable
PH Value	14.0
Boiling point/ boiling range (°C)	Not applicable

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Flash point (°c)	Not applicable
Solubility	Soluble in water
Viscosity at 20°C	Not applicable
Specific gravity at 20°C	1.16+-0.02

10. Stability and reactivity	
Stability and possible hazardous reactions	No hazardous reactions if stored and handled as prescribed/indicated.
Conditions/ materials to avoid	Metals, Organic Metals, Acids
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: Causes serious eye damage. Skin Contact: Causes severe skin burns. Inhalation: May cause respiratory system irritation. Ingestion: Causes digestive tract burns.
Chronic Effects	

12. Ecological information	
Toxicity	Product may prove toxic if large volumes are released direct into waterways or the environment.
Persistence/ Biodegradability	No data available
Mobility in Soil	No data available
Additional Information	N/A

13. Disposal 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: Sodium Hydroxide Solution	
UN Number: 1824	
Hazard Class: 8	
Packaging Group: II	

15. REGULATORY INFORMATION

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Labeling accordance with SANS 10234 latest revision.	OHS Act, 1993(Act No. 85 of 1993). Hazardous Substance Regulation of 1995
Hazard Statements	H314 Causes severe skin burns and eye damage.
Precautionary Statements	<p>P260 Do not breathe dust/fume/gas/mist/vapors/spray.</p> <p>P264 Wash with plenty of water and soap thoroughly after handling.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P305+ P351+ P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P301+ P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303+ P361+ P353+ P363 IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].</p> <p>P304+ P340+ P310+ P321 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container to approved waste disposal contractor.</p>

16. ADDITIONAL INFORMATION (E.G. SPECIAL TRAINING OR RESTRICTIONS ON THE PRODUCTS USE)

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.