


Safety Data Sheet

ALKALI

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER			
Product Name	Alkali		
Product Code	Alkali		
Product Use	Auto Laundry Alkaline Builder		
Company Name	Kleen West Distributors		
Address	Unit 3/22 Prestige parade, Wangara WA 6065		
Emergency Telephone	13 11 26		
Telephone	(08) 9303 2882		
Web	www.kleenwest.com.au		
2. HAZARDS IDENTIFICATION			
Hazard Classification	Classified as hazardous according to ASCC criteria		
Dangerous Goods	Classified as a Dangerous Good according to the criteria of the ADG Code		
GHS Classification	Skin Corrosion / Irritation – Category 1 Serious Eye Damage / Irritation – Category 1		
Signal Word	Danger		
Pictogram			
Hazard Statements	H314 Causes severe skin burns and eye damage		
Precautionary Statements	<p>General</p> <p>P101 If medical advice is needed, have product container or label at hand</p> <p>P102 Keep out of reach of children</p> <p>P103 Read label before use</p> <p>Preventative</p> <p>P264 Wash hands thoroughly after handling</p> <p>P280 Wear protective gloves / eye protection / face protection</p> <p>Response</p> <p>P330+P331 IF SWALLOWED Rinse mouth. Do NOT induce vomiting</p> <p>P302+P352 IF ON SKIN Wash with water and soap.</p> <p>P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTRE 13 11 26 or DOCTOR / PHYSICIAN.</p> <p>P362 Take off contaminated clothing and wash before reuse.</p>		
3. COMPOSITION/INFORMATION ON INGREDIENTS			
	Ingredient	CAS No.	Proportion
	Sodium metasilicate	10213-79-3	1 - 10%
	Sodium Hydroxide	1310-73-2	10 - 30%
	Water and other non-hazardous ingredients	-	to 100%
4. FIRST AID MEASURES			
Inhalation	Remove victim to fresh air. If symptoms develop seek medical advice		
Ingestion	Rinse mouth. Do NOT induce vomiting. Give glass of water or milk to drink. Immediately call the POISONS INFORMATION CENTRE 13 11 26.		
Skin	Remove contaminated clothing and flush affected area with running water. Wash contaminated clothing before re-use.		
Eye	If in eyes, hold eyelids apart and irrigate with clean water for at least 15 minutes.		

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	Remove contact lenses if present and easy to do so. Continue rinsing. Seek urgent medical assistance.												
First Aid Facilities	Eye wash station.												
Advice to Doctor	Treat symptomatically as for alkali.												
5. FIRE FIGHTING MEASURES													
Extinguishing Media	Not flammable. Not combustible. Use extinguishing media appropriate to the source of the fire.												
Hazards from Combustion Products	In the event of a major fire, this product may emit toxic fumes including carbon monoxide and carbon dioxide.												
Precautions for Fire Fighters	Cool containers with water to prevent containers from rupturing. Firefighters should wear full protective clothing including self contained breathing apparatus. Ensure no spillage enters drains or water courses.												
6. ACCIDENTAL RELEASE MEASURES													
Emergency Procedures	Personnel involved in the clean up of large spills should wear appropriate protective clothing as specified in Section 8. Clean up spills immediately to prevent further accidents. Evacuate all unnecessary personnel. Stop leak if safe to do so. Do not let product reach drains or waterways.												
Spills & Disposals	Small spills may be mopped up. Contain and recover liquid where possible. Use material such as earth to contain spill and pack residue into appropriate containers for disposal at approved site. Wash affected area with water.												
7. HANDLING AND STORAGE													
Storage	Store in original container in a cool, well ventilated area out of direct sunlight. Keep containers closed when not in use. Do not store near strong oxidising agents or acids.												
Handling	Wear protective clothing as specified in Section 8 when handling product in bulk or there is potential for skin and eye contact. Wash hands and other exposed areas with soap and water immediately after handling and before eating, drinking, smoking or using the toilet.												
8. EXPOSURE CONTROL/PERSONAL PROTECTION													
Exposure Standards	No exposure standard has been established for this product. The following components have been listed with an OEL as per Safe Work Australia – Workplace Exposure Standards for Airborne Contaminants. <table border="1"> <thead> <tr> <th>Ingredient name</th> <th>CAS No</th> <th>TWA (ppm)</th> <th>TWA (mg/m³)</th> <th>STEL (ppm)</th> <th>STEL (mg/m³)</th> </tr> </thead> <tbody> <tr> <td>Sodium Hydroxide</td> <td>1310-73-2</td> <td>-</td> <td>2 peak</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Ingredient name	CAS No	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Sodium Hydroxide	1310-73-2	-	2 peak	-	-
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Sodium Hydroxide	1310-73-2	-	2 peak	-	-								
Biological Limits	None allocated.												
Engineering controls	No special engineering controls required. Use with good general ventilation. If mists or aerosols are generated, a system of local and/or general exhaust is recommended to keep employee exposure as low as possible. Local exhaust ventilation is preferable because it can control emissions at source preventing dispersion into the general work area.												
Personal Protective Equipment	No special equipment is needed when occasionally handling small quantities. Where bulk handling is taking place or where regular exposure may occur in an occupational environment, personal protection should include gloves, eye protection and clothing as specified below. Eye Protection: Face shield and/or chemical goggles (AS 1336/1337). Glove Type: Impervious PVC, rubber or nitrile gloves (AS 2161). Clothing: PVC, nitrile or rubber splash apron and rubber boots.												
9. PHYSICAL AND CHEMICAL PROPERTIES													
Appearance	Clear yellow mobile liquid												
Odour	None												
pH (neat)	13-14												

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Vapour Pressure	Not determined
Vapour Density	Not determined
Boiling Point/Range	Approximately 100°C
Freezing/Melting point	<0°C
Solubility in Water	Miscible in all proportions
Specific Gravity	1.1 – 1.2
Flash Point	Not applicable
Flammable Limits	Not flammable
10. STABILITY AND REACTIVITY	
Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Always add product to water (not water to product).
Materials to Avoid	Acids and strong oxidising agents.
Decomposition	May emit toxic or irritating fumes if heated above its boiling point.
Hazardous Reactions	None known.
11. TOXICOLOGICAL INFORMATION	
Health Hazard Summary	Product is alkaline. Irritating to skin and eyes.
Inhalation	Not considered a hazard of normal use (product is not volatile). Inhalation of mist or aerosol will cause pulmonary irritation.
Ingestion	Low systemic toxicity. May cause burning of the mouth and oesophagus, nausea, vomiting and abdominal pain.
Skin	Irritating to skin. Irritant dermatitis may result from working with this material.
Eye	Severe eye irritant. Permanent eye damage may occur if not treated immediately..
Toxicity Data	The toxic effects of this product are due to its alkalinity and not any specific systemic effects.
12. ECOLOGICAL INFORMATION	
Ecotoxicity	This product is considered harmful to aquatic organisms. Do not contaminate waterways with the product or used containers.
Persistence and Degradability	No data available for this product.
Mobility	No data available for this product.
13. DISPOSAL CONSIDERATIONS	
Waste Disposal	Refer to waste management authority. Normally suitable for disposal at approved waste site. Containers should be thoroughly rinsed and recycled.
Legislation	Dispose of in accordance with applicable local and national regulations. Contact a specialist waste company or local regulator for advice.
14. TRANSPORT INFORMATION	
Classified as a Dangerous Good according to the criteria of the ADG Code	
U.N. Number	1824
Proper Shipping Name	Sodium Hydroxide Solution
Class and Subsidiary Risk(s)	8
Packing Group	II
Special Precautions	Ensure all containers are clearly labelled
Hazchem Code	2R
15. REGULATORY INFORMATION	
Poisons Schedule	S6
AICS	All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).
16. OTHER INFORMATION	
Contact Point	Anthony Benich

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Title	Technical Manager
Telephone	08 9303 2882
After Hours	0432 620 423

The information contained in this Material Safety Data Sheet is believed to be accurate and reliable; however, Kleen West Distributors shall not be liable for any inaccuracy in the information or for any loss, injury or damage whatsoever arising from the use of this product as conditions and methods of use are beyond our control. Users should read this Material Safety Data Sheet and evaluate the information in the context of how the user intends to handle and use the product in the workplace including the use of this product with other products.

End of Report