

## ***KLEN AQ BUILDER*** **Liquid Alkalinity Booster**

### ***Product Description***

***KLEN AQ BUILDER*** is a unique blend of carefully selected alkaline base material together with extremely effective soil suspending agent for high performance washing as a booster with ***KLEN AQ DETERGENT***. Formulated without phosphate and yet no compromise in detergency and problems of soil incrustation. For use as a liquid alkalinity builder detergent highly concentrated yet safe to the environment and does not damage fabrics.

***KLEN AQ BUILDER*** is a powerful liquid detergent use as a stain-removing agent for Prewash in the washing process. It provides maximum removal of ingrained dirt, stain and soil from fabrics giving outstanding cleaning results.

### ***Properties***

- Environmentally safe non-phosphate formula.
- Removes stubborn dirt and stain quickly and thoroughly.
- Removes yellowing and revitalizes fabric whiteness.
- Eliminates unpleasant odours, producing a pleasant smell of freshness.

### ***Chemical Composition***

- Chelates
- Organic Polymer
- Special Alkalies
- Other Auxiliaries

### ***Application***

Add ***KLEN AQ BUILDER*** to the prewash operation according to the dosage guidelines given. For optimum result, it is recommended to use ***KLEN AQ BUILDER*** in combination with ***KLEN EXTRA***. All washes must be thoroughly rinsed and neutralized afterwards in the washing process. Best use in the range of 50 to 80 degrees Celsius.

### ***Dosage***

- \* Light Soil 4 - 5 ml/kg dry wash
- \* Medium Soil 6 - 7 ml/kg dry wash
- \* Heavy Soil 8 - 12+ ml/kg dry wash

### ***Precaution***

Corrosive material. Ingestion and eye contact is to be avoided. When handling product, rubber gloves must be worn and eyes must be sufficiently protected from accidental contact with material.

### ***Storage***

Store in a cool and dry area.

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**KLENCO (SINGAPORE) PTE LTD**

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Company Registration No: 197100402R

KLENCO products are used in over 20 countries across Asia, the Middle East, Europe and Africa

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

Product Identifier: <b>KLEN AQ BUILDER</b>	Supplier: <b>Klenco (Singapore) Pte Ltd.</b> Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist
Other means of identification: Liquid Alkalinity Booster	
Date of SDS: 01 January 2026	Phone: (65) 6862 3388 Fax: (65) 6861 7575 Email: info@klenco-asia.com Emergency contact: (65) 6862 3388 Ext 249
Recommended use and restriction on use: <b>KLEN AQ BUILDER</b> is a powerful liquid detergent use as a stain-removing agent for Prewash in the washing process. It provides maximum removal of ingrained dirt, stain and soil from fabrics giving outstanding cleaning results.	

## SECTION 2 - HAZARDS IDENTIFICATION

GHS classification: Acute toxicity: Category 4  
Skin irritation: Category 2,

GHS label elements: Pictogram:

Signal Words: Warning



Hazard statements: H302: Harmful if swallowed.  
H315: Causes skin irritation.

Precaution statements: P102: Keep out of reach of children.  
P262: Do not get on skin.  
P280: Wear protective gloves/ protective clothing.

## SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Sodium Hydroxide	< 17.0 %	NaOH	1310-73-2	215-185-5
Triethanolamine	< 1.0 %	C6H15NO3	102-71-6	203-049-8
Sodium EDTA	< 2.0 %	C10H12N2Na4O8	64-02-8	200-573-9
Sodium Acrylic Acid	< 5.0 %	NA	37199-81-8	609-343-6
Polymer				
Water	> 75.0 %	H <sub>2</sub> O	7732-18-5	231-791-2

## SECTION 4 – FIRST AID MEASURES

**Inhalation:** Move to area of fresh air. If breathing has stopped, artificial respiration should be started. Oxygen may be administered if available. Call a physician. Never give anything by mouth to an unconscious person.

**Skin contact:** Wash with large amounts of soap and water. If irritation persists, consult a physician.

**Eye contact:** Flush with cool water for at least 15 minutes. Then consult a physician immediately.

**Ingestion:** Induce vomiting. Dilute by drinking water. Call a physician immediately.

**Notes to Physicians:** Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

## SECTION 5 – FIRE-FIGHTING MEASURES

**Suitable fire-extinguishing media:** Water, dry chemical, carbon dioxide and foam.

**Specific hazards arising from the chemical:** Burning can produce carbon dioxide and/or carbon monoxide.

**Special protective actions for fire fighters:** Fire fighters may be exposed to the products of combustion should wear a self-contained breathing apparatus with full protective equipment.

## SECTION 6 - ACCIDENTAL RELEASE MEASURE

**Personal precautions, protective equipment, and emergency measure:**

Use proper protective equipment (chemical protection suit, gloves, goggles, mask, etc).

**Environmental precautions:** Chemical substance should not be released into the environment (water, soil).

**Methods and materials for containment and cleaning up:**

Safely stop discharge. Contain material, as necessary, with dike or barrier. Stop material from contaminating soil or from entering sewers or bodies of water. Sweep or shovel spills and place them in closed chemical waste containers. Dispose of according to applicable local, state and federal regulations.

## SECTION 7 - HANDLING AND STORAGE

**Precaution for safe handling:**

Wash thoroughly after handling, especially before eating and drinking. Wash contaminated goggles, face-shield, and gloves. Launder contaminated clothing before re-use.

**Conditions for safe storage, including any incompatibilities:**

This product has high alkalinity. Store in a cool, dry, well-ventilated area at room temperature. Store away from any acidic material. Do not re-use empty container for food, clothing or products for human or animal consumption or where skin contact can occur.

<b>SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION</b>				
<b>Control parameters/ Occupational exposure limits:</b>	ACGIH - TLV: Provide suitable personal protective equipment and/or ventilation to maintain exposure below TLV levels.			
<b>Appropriate engineering control measures:</b>	Sufficient ventilation should be provided vapors, mist, or dusts can be released.			
<b>Personal Protection:</b>	Use the protective equipment such as rubber/ PVC gloves & safety glasses / goggles if splashing is anticipated.			
<b>SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES</b>				
<b>Appearance &amp; Odour:</b>	Clear Liquid with characteristic odour			
<b>Solubility in water:</b>	Complete.			
<b>Boiling Point:</b>	Not Applicable			
<b>Specific Gravity:</b>	1.18 +/- 0.01 g/cm <sup>3</sup>			
<b>PH (1 % Solution):</b>	12.0 +/- 1.0			
<b>Flash Point (T.C.C.):</b>	None to Boiling	<b>Flammable Limits - Upper:</b> N. A <b>Lower:</b> N. A		
<b>Vapour Pressure:</b>	Not Determine			
<b>Vapour Density:</b>	Not Determine			
<b>SECTION 10 - STABILITY AND REACTIVITY</b>				
<b>Reactivity/ In compatible materials:</b>	Strong Acids.			
<b>Chemical stability:</b>	Stable under normal temperature and pressure.			
<b>Possibility of hazardous reaction:</b>	Will not occur.			
<b>Condition to avoid:</b>	Not applicable			
<b>SECTION 11 - TOXICOLOGICAL INFORMATION</b>				
<b>Acute toxicity: Oral:</b>	Ingestion of high amount of product is fatal.			
<b>Skin or eye irritation:</b>	This product contains Sodium Hydroxide that will cause irritation and possibly burns to eyes and/or skin.			
<b>SECTION 12 - ECOLOGICAL INFORMATION</b>				
<b>Toxicity:</b>	Concentrations with a pH value of 10.5 or greater, especially in fresh water may be fatal to fish and other aquatic organisms. Can cause damage to aquatic plants and vegetation.			
<b>Persistence and degradability:</b>	Product degrades readily by reaction of carbon dioxide in the air as well as decomposition by microorganism.			
<b>Bioaccumulative potential:</b>	It is soluble in water and does not bio-accumulate.			
<b>SECTION 13 - DISPOSAL CONSIDERATIONS</b>				
<b>Disposal method:</b>	Dispose of in an approved waste facility according to local regulations.			
	It is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) Re-cycle or rework, if feasible (2) Incinerate at an authorized facility (3) Treat at an acceptable waste treatment facility.			
<b>SECTION 14 - TRANSPORT INFORMATION</b>				
This material is non-regulated and no special requirement is necessary. HS Code: 34029019				
<b>SECTION 15 - REGULATORY INFORMATION</b>				
<b>International regulation:</b>				
Classification:	This product contains Sodium Hydroxide as an ingredient that is classified as Corrosive under EC Classification.			
Risk phrases:	R22	Harmful if swallowed.		
	R38	Irritating to skin.		
Safety phrases:	S02	Keep out of reach of children.		
	S24	Avoid contact with skin.		
	S36/ 37	Wear suitable protective clothing and gloves		
<b>SECTION 16 - OTHER INFORMATION</b>				
<b>Hazard Rating: HMIS (Hazardous Materials Information System)</b>				
<b>HEALTH:</b>	2			
<b>FLAMMABILITY: 0</b>				
<b>REACTIVITY:</b>	2			
0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme				

**NOTICE:** SDS is correct at date of publication. It is not necessarily fully adequate for every circumstance, nor to be confused with or followed in violation of applicable laws or insurance requirements. Health hazards and effects of over-exposure apply only to negligent handling or misuse of product in its concentrated form (as supplied); and not routine exposure to diluted product under normal use. No warranty, express or implied, of merchantability, fitness or accuracy of data is made; as such the vendor assumes no responsibility for injury or damages resulting from use of this product.