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## **KLEN STARCH**

### **Modified Laundry Starch**

#### **Product Description**

**KLEN STARCH** is a modified starch used as a high-quality textile-finishing product for sheets, tablecloths and overalls. It has very good wetting property providing uniform distribution of product on fabrics and garments making laundry smooth and bright.

#### **Properties**

- Suitable for use on all types of laundry systems.
- Saving time and labour with very positive results

#### **Chemical Composition**

- Modified natural starch.
- Polishing and Smoothing agent.

#### **Directions for Use**

- Add **KLEN STARCH** dry to the wheel during the last rinsing cycle according to the dosage guidelines given.
- Running time is usually between 5 to 7 minutes.
- Ensure that the water level for starching is low.

#### **Dosage**

\* According to desired effect: 2 – 8 g / kg of dry wash


#### **Storage**

Store in a cool and dry area. Containers of unused product must be kept closed at all times.

#### **Precaution**

As with all chemical products, avoid ingestion and eye contact. When handling product, normal work clothing covering arms and legs should be worn.

# SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION				
Product Identifier: KLEN STARCH		Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist		
Other means of identification: Modified Laundry Starch		Phone: (65) 6862 3388		
Date of SDS: 01 January 2024		Fax: (65) 6861 7575		
Recommended use and restriction on use: KLEN STARCH is a modified starch used as a high-quality textile-finishing product for sheets, tablecloths and overalls. It has very good wetting property providing uniform distribution of product on fabrics and garments making laundry smooth and bright.		Email: info@klenco-asia.com Emergency contact: (65) 6862 3388 Ext 249		
SECTION 2 - HAZARDS IDENTIFICATION				
GHS classification: Acute toxicity: Category 4 Eyes irritation: Category 2,				
GHS label elements: Pictogram:		Signal Words: Warning		
				
Hazard statements: H320: Causes eye irritation.				
Precaution statements: P233: Keep container tightly closed.				
SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS				
Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Modified Starch	100 %	NA	NA	NA
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:	Do not induce vomiting. Dilute by drinking water.			
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 measures: 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: Stop spill at source. Contain material, as necessary, with dike or barrier. Mop, shovel or absorb with inert material and place in sound containers. Rinse remaining residue with excess water. Cover spills with absorbent clay, sawdust or inert material and place 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: Store in cool, dry area at room temperature. Do not re-use empty container for food, clothing or products for human or animal consumption or where skin contact can occur.				
SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION				
Control parameters/ Occupational exposure limits: ACGIH - TLV: No hazardous ingredients				
Appropriate engineering control measures: Normally ventilation is not required				
Personal Protection: Normal work clothing covering arms and legs if splashing anticipated.				

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES		
Appearance & Odour:	White powder.	
Solubility in water:	Complete.	
Boiling Point:	None.	
Density:	500 +/- 50 kg / m <sup>3</sup>	
PH (1 % Solution):	10.0 +/- 0.5	
Flash Point (T.C.C.):	None to Boiling	Flammable Limits - Upper: N. A      Lower: N.A
Vapour Pressure:	None	
Vapour Density:	None	
SECTION 10 - STABILITY AND REACTIVITY		
Reactivity/ In compatible materials:	None.	
Chemical stability:	Stable under normal temperature and pressure.	
Possibility of hazardous reaction:	Will not occur.	
Condition to avoid:	Not applicable	
SECTION 11 – TOXICOLOGICAL INFORMATION		
Acute toxicity: Oral:	LD 50 (rat): > 4500 mg/kg This product contains no hazardous ingredients.	
SECTION 12 – ECOLOGICAL INFORMATION		
Persistence and degradability:	Product degrades readily by action of microorganism.	
Bioaccumulative potential:	It is soluble in water and does not bio-accumulate.	
SECTION 13 – DISPOSAL CONSIDERATIONS		
Disposal:	No special disposal required.	
General Recommendations:	None	
SECTION 14 – TRANSPORT INFORMATION		
This material is non-regulated and no special requirement is necessary. HS Code: 35051090		
SECTION 15 – REGULATORY INFORMATION		
International regulation:		
Classification:	This product has not been allocated any classification.	
Risk phrases:	R36	Irritating to eyes.
Safety phrases:	S07	Keep container tightly closed.
SECTION 16 – OTHER INFORMATION		
Hazard Rating: HMIS (Hazardous Materials Information System)		
HEALTH:	0	
FLAMMABILITY:	0	
REACTIVITY:	0	
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.