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KLEN EXTRA CLASSIC

Liquid Laundry Emulsifier

Product Description

KLEN EXTRA CLASSIC is a concentrated liquid laundry booster for high performance emulsification of fat, oil, grease stains etc, for institutional and commercial laundries. Effective on all kinds of textiles, including silk and wool and formulated as a neutral liquid, it is safe to use in wash operations and does not harm textiles.

KLEN EXTRA CLASSIC is added as a reinforcement chemical in the pre-wash or main wash operations for maximum stain removal.

Properties

- Ease of removal of grease, oil and fatty stains.
- Low foaming for optimum washing.
- Effective in cold or hot applications.
- Refreshing after washing.

Chemical Composition

- Special Surfactant blend
- Other Auxiliaries

Application

Add ***KLEN EXTRA CLASSIC*** to the pre-wash or main wash operation according to the dosage guidelines given.

Dosage

- * As an emulsifier: 3 – 5 ml/kg dry wash
- * As a wetting agent: 1 - 2 ml/kg dry wash

Precaution

As with all chemical products, avoid ingestion and eye contact. No special handling required.

Storage

Store in a cool and dry area. Protect from frost. Containers of unused product must be kept closed at all times to prevent contamination.

SAFETY DATA SHEET

| SECTION 1 - IDENTIFICATION | | | | | | | | |
|--|--|---|--|-----------|--|--|--|--|
| Product Identifier: KLEN EXTRA CLASSIC | | | Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist | | | | | |
| Other means of identification: Liquid Laundry Emulsifier | | | Phone: (65) 6862 3388 Fax: (65) 6861 7575 Email: info@klenco-asia.com Emergency contact: (65) 6862 3388 Ext 249 | | | | | |
| Date of SDS: 01 January 2026 | | | | | | | | |
| Recommended use and restriction on use: Effective on all kinds of textiles, including silk and wool and formulated as a neutral liquid, it is safe to use in wash operations and does not harm textiles. | | | | | | | | |
| 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. | | | | |
| Nonyl Phenol Ethoxylate | < 30.0 % | C ₃₃ H ₆₀ O ₁₀ | 26571-11-9 | 247-816-5 | | | | |
| Water | > 70.0 % | H ₂ O | 7732-18-5 | 231-791-2 | | | | |
| 1,2-Benzisothiazolin-3-One | < 0.1 % | C7H5NOS | 2634-33-5 | 220-120-9 | | | | |
| 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. 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 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: None | | | | | | | | |
| Appropriate engineering control measures: Normal ventilation is sufficient | | | | | | | | |
| Personal Protection: Use the protective equipment such as rubber/ PVC gloves, safety glasses / goggles and normal work clothing covering arms and legs if splashing is anticipated. | | | | | | | | |

| SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES | | | | |
|---|---|---|--|--|
| Appearance & Odour: | Clear Liquid with characteristic odour. | | | |
| Solubility in water: | Complete. | | | |
| Boiling Point: | 100 °C | | | |
| Specific Gravity: | 1.020 +/- 0.005 g/cm ³ | | | |
| pH: | 7.0 +/- 1.0 | | | |
| 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): > 0.2 g/kg | | | |
| Skin or eye irritation: | Contains surfactants that may cause mild irritation to eyes and skin of some individuals. | | | |
| 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 method: | 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. | | | | |
| SECTION 14 - TRANSPORT INFORMATION | | | | |
| This material is non-regulated and no special requirement is necessary. HS Code: 34024290 | | | | |
| SECTION 15 - REGULATORY INFORMATION | | | | |
| International regulation: | | | | |
| Classification: | This product has not been allocated any 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. | | |
| SECTION 16 - OTHER INFORMATION | | | | |
| Hazard Rating: HMIS (Hazardous Materials Information System) | | | | |
| HEALTH: | 1 | | | |
| 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.