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## HEAVY DUTY STATICIDE®

### Product Description

**HEAVY DUTY STATICIDE®** is a long-lasting static control product that is ideal for eliminating static and preventing tribogeneration on carpets, upholstery, and fabrics.

### Areas of Use

**HEAVY DUTY STATICIDE®** is ideal for eliminating static electricity discharge chairs, conveyor belts, totes, work surfaces with heavy use avoiding jamming or material slippage during printing, packaging, and converting. This solution can even be used as an aid to avert dangerous static-triggering situations such as the ignition of combustible vapors, dust or solvents.



### Special Features

- Staticide® topicals can be applied by spraying, wiping, dipping, transfer roller coating, gravure coating or flexographic printing.
- Every Staticide® topical dilution is proven to be effective in relative humidity below 15%.
- Exceeds MIL-B-81705 specifications for static decay in accordance with Federal Test Standard 101, method 4046.

*For usage details, refer to product label.*

### Directions for use

- Use-as-is (For porous surfaces only).
- On porous surface, 1 gallon of **HEAVY DUTY STATICIDE®** covers 2,000-2,300 square feet and will last from weeks to months, depending on the application.

### Precaution


In ready to use form, **HEAVY DUTY STATICIDE®** is non-toxic by oral ingestion, inhalation, or dermal application. It is not a primary skin or major eye irritant. Non-flammable and completely stable, this product will not deteriorate after long periods in storage.

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

<b>Product Identifier:</b> HEAVY DUTY STATICIDE	<b>Supplier:</b> Klenco (Singapore) Pte Ltd. <b>Address:</b> 18 Gul Crescent, Singapore 629527 <b>Department:</b> Chemical <b>Person in Charge:</b> Chemist
<b>Other means of identification:</b> Anti-static solution	<b>Phone:</b> (65) 6862 3388 <b>Fax:</b> (65) 6861 7575 <b>Email:</b> info@klenco-asia.com <b>Emergency contact:</b> (65) 6862 3388 Ext 249
<b>Date of SDS:</b> 01 January 2024	
<b>Manufacturer:</b> ACL Incorporated 840 W. 49 <sup>th</sup> Place Chicago, IL 60609 PH : (01) 847.981.9212 [USA] FAX : (01) 847.981.9278 [USA]	

## SECTION 2 - HAZARDS IDENTIFICATION

<b>GHS classification:</b> Acute toxicity: Category 4; Eye irritation: Category 2
<b>GHS label elements:</b> Pictogram:  Signal Words: Warning
<b>Hazard statements:</b> H320: Causes eye irritation <b>Precaution statements:</b> P233: Keep container tightly closed.

## SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Quaternary ammonium compounds, coco alkylbis (hydroxyethyl)methyl, nitrates	< 2.0 %	-	71487-00-8	814-640-0
Isopropyl alcohol	< 1.0 %	C <sub>3</sub> H <sub>8</sub> O	67-63-0	200-661-7
Deionized Water	> 95.0 %	H <sub>2</sub> O	7732-18-5	231-791-2

## SECTION 4 – FIRST AID MEASURES

<b>Inhalation:</b>	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.
<b>Skin contact:</b>	Wash with large amounts of soap and water. If irritation persists, consult a physician.
<b>Eye contact:</b>	Flush with cool water for at least 15 minutes. Then consult a physician immediately.
<b>Ingestion:</b>	Do not induce vomiting. Dilute by drinking water. Call a physician immediately.
<b>Notes to Physicians:</b>	Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

## SECTION 5 – FIRE-FIGHTING MEASURES

<b>Suitable fire-extinguishing media:</b>	Water, dry chemical, carbon dioxide and foam.
<b>Specific hazards arising from the chemical:</b>	Burning can produce carbon dioxide, carbon monoxide and acrylic monomers.
<b>Special protective actions for fire fighters:</b>	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

<b>Personal precautions, protective equipment, and emergency measure:</b>	Use proper protective equipment (chemical protection suit, gloves, goggles, mask, etc).
<b>Environmental precautions:</b>	Chemical substance should not be released into the environment (water, soil). Dispose according to local regulations.
<b>Methods and materials for containment and cleaning up:</b>	Safely stop discharge. Contain material, as necessary, with dike or barrier. Stop material from contaminating soil or from entering sewers or bodies of water. Stop discharge, if safe to do so. Cover spills with absorbent clay, sawdust or inert material and place in closed plastic containers. Dispose according to applicable local, state and federal regulations.

## SECTION 7 - HANDLING AND STORAGE

<b>Precaution for safe handling:</b>	Wash thoroughly after handling, especially before eating and drinking. Wash contaminated goggles, face-shield, and gloves. Launder contaminated clothing before re-use.
<b>Conditions for safe storage, including any incompatibilities:</b>	Store in cool, dry, well-ventilated 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.

<b>SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION</b>	
<b>Control parameters/ Occupational exposure limits:</b>	<b>ACGIH - TLV:</b> Provide suitable personal protective equipment and/or ventilation to maintain exposure below TLV levels.
<b>Appropriate engineering control measures:</b>	Local exhaust ventilation usually required when vapours, mist, or dusts can be released.
<b>Personal Protection:</b>	Use the protective equipment such as safety glasses / goggles and rubber / PVC gloves
<b>SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Appearance &amp; Odour:</b>	Clear pale yellow with characteristic odour.
<b>Solubility in water:</b>	Completely
<b>Boiling Point:</b>	100 °C
<b>Specific Gravity:</b>	0.99 +/- 0.01 g/cm <sup>3</sup>
<b>PH:</b>	7.0 +/- 1.0
<b>Flash Point (T.C.C.):</b>	None to boiling <b>Flammable Limits - Upper:</b> Not applicable <b>Lower:</b> Not applicable
<b>V.O.C. :</b>	9.0 gm / litre
<b>Vapour Pressure:</b>	Not determined
<b>Vapour Density (Air=1):</b>	Not Establish
<b>SECTION 10 - STABILITY AND REACTIVITY</b>	
<b>Reactivity/ In compatible materials:</b>	None
<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. Stable under normal condition.
<b>SECTION 11 – TOXICOLOGICAL INFORMATION</b>	
<b>Skin or eye irritation:</b>	Oral toxicity (LD <sub>50</sub> ) : 3600 mg/kg (rat) for Isopropyl alcohol
<b>SECTION 12 – ECOLOGICAL INFORMATION</b>	
<b>Persistence and degradability:</b>	Product degrades readily by action of 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. Non-hazardous material. HS Code: 34021200	
<b>SECTION 15 – REGULATORY INFORMATION</b>	
<b>International regulation:</b>	Classification: This product complies with the OSHA Hazard Communication rule
Risk phrases:	R35/38 Irritating to eyes and skin.
Safety phrases:	S07 Keep container tightly closed.
<b>SECTION 16 – OTHER INFORMATION</b>	
<b>Hazard Rating: HMIS (Hazardous Materials Information System)</b>	
<b>HEALTH: 1</b>	
<b>FLAMMABILITY: 0</b>	
<b>REACTIVITY: 0</b>	
<b>0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme</b>	

**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.