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## ***KLEN 1109*** **Slow Drying Solvent Degreaser**

### **Product Description**

***KLEN 1109*** is a versatile non-conductive safety solvent for use on most electrical applications. It effectively removes all traces of grease and grime yet is non-corrosive and safe to skin. ***KLEN 1109*** does not use carbon tetrachloride, naptha and toxic or highly flammable solvents.

### **Areas of Use**

***KLEN 1109*** should be used for electric motors, controls, tools, fuse holders, switches, transformers, blowers, fans, hoists, office equipment and most other electrical and motor parts.

### **Special Features**

- Non-conductive, non-corrosive, low toxicity.
- Slow drying - yet cleans effectively leaving no residue.
- Uses no banned CFC solvents.
- Safe on skin and no unpleasant odour after use.

### **Directions for Use**

- Spray or brush direct to surface. All dirt will be washed away within seconds. Second application will remove all dissolved and suspended soils. Wipe or blow dry with air.
- For dip cleaning, pour ***KLEN 1109*** into metal container with tight cover to prevent evaporation.
- Soak parts or equipment into dip tank for a few minutes. ***KLEN 1109*** will loosen deposits from the surfaces.
- Take out equipment or parts, rinse with fresh ***KLEN 1109*** to remove all traces of dissolved grease.

### **Precautions**

As with most chemical products, avoid ingestion and eye contact. Wash hands thoroughly after use.

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

<b>Product Identifier:</b> KLEN 1109	<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> Slow Drying Solvent Degreaser	
<b>Date of SDS:</b> 01 January 2026	<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>Recommended use and restriction on use:</b> KLEN 1109 should be used for electric motors, controls, tools, fuse holders, switches, transformers, blowers, fans, hoists, office equipment and most other electrical and motor parts.	

## SECTION 2 - HAZARDS IDENTIFICATION

<b>GHS classification:</b> Acute toxicity: Oral: Category 3; Skin irritation: Category 2; Eye irritation: Category 2	
<b>GHS label elements:</b> Pictogram:	Signal word: Danger
<b>Hazard statements:</b>	H301: Toxic if swallowed. H320: Causes eye irritation.
<b>Precaution statements:</b>	P102: Keep out of reach of children. P233: Keep container tightly closed. P262: Do not get in eyes.

## SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Perchloroethylene	< 90.0 %	C2Cl4	127-18-4	204-825-9
Methylene Chloride	< 10.0 %	CH2Cl2	75-09-2	200-838-9
Dipropylene Glycol Monomethyl Ether	< 5.0 %	CH3O[CH2CH(CH3)O]2H	34590-94-8	252-104-2

## 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> Only administer Adrenaline after careful consideration following Trichloroethylene overexposure. Increased sensitivity of the heart to Adrenaline may be caused by overexposure to Trichloroethylene.

## SECTION 5 – FIRE-FIGHTING MEASURES

<b>Suitable fire-extinguishing media:</b> Dry chemical, carbon dioxide and foam.
<b>Specific hazards arising from the chemical:</b> At abnormally high temperatures, possible trace of phosgene or hydrogen chloride.
<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 measures:</b> Use proper protective equipment (chemical protection suit, gloves, goggles, mask, etc). Always provide local exhaust to keep TLV below acceptable limits.
<b>Environmental precautions:</b> Chemical substances should not be released into the environment (water, soil).
<b>Methods and materials for containment and cleaning up:</b> 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 placed in closed chemical waste containers. Dispose of 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 containers for food, clothing or products for human or animal consumption or where skin contact can occur.

## SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

<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> Provide sufficient mechanical and/or local exhaust to keep exposure below TLV.
<b>Personal Protection:</b> Use protective equipment such as approved organic type respirator, Neoprene, Nitrile rubber/PVC gloves; protective glasses if splashing is anticipated.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES		
<b>Appearance &amp; Odour:</b>	Clear liquid with characteristic odour	
<b>Solubility in water:</b>	Less than 3%.	
<b>Boiling Point:</b>	108 ° C	
<b>Specific Gravity:</b>	1.570 +/- 0.01 g/cm <sup>3</sup>	
<b>pH:</b>	N.A.	
<b>Flash Point (T.C.C.):</b>	None to boiling	<b>Flammable Limits - Upper:</b> Not applicable <b>Lower:</b> Not applicable
<b>Vapour Pressure:</b>	Not determined	
<b>Vapour Density:</b>	Not determined	
SECTION 10 - STABILITY AND REACTIVITY		
<b>Reactivity/ In compatible materials:</b>	Strong oxidizers and alkalis, reactive metals (aluminum, zinc).	
<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	
SECTION 11 – TOXICOLOGICAL INFORMATION		
<b>Acute toxicity:</b> Oral: LD 50 (Rat) = 4920 mg/kg		
<b>Skin or eye irritation:</b>	This product may cause death if too much is inhaled. Cause irritation in eyes and skin of some individuals.	
SECTION 12 – ECOLOGICAL INFORMATION		
<b>Persistence and degradability:</b>	Product should be disposed of by an approved authority.	
<b>Bioaccumulative potential:</b>	Appreciable amounts will be lost through evaporation due to the product's high volatility.	
SECTION 13 – DISPOSAL CONSIDERATIONS		
<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.	
SECTION 14 – TRANSPORT INFORMATION		
This material is non-regulated and no special requirement is necessary. HS Code: 29032300		
SECTION 15 – REGULATORY INFORMATION		
<b>International regulation:</b>		
Classification:	This product is classified as toxic under EC classification.	
Risk phrases:	R28    Very toxic if swallowed. R36    Irritating to eye.	
Safety phrases:	S02    Keep out of reach of children. S07    Keep container tightly closed. S25    Avoid contact with eyes.	
SECTION 16 – OTHER INFORMATION		
<b>Hazard Rating: HMIS (Hazardous Materials Information System)</b>		
<b>HEALTH:</b> 2		
<b>FLAMMABILITY:</b> 0		
<b>REACTIVITY:</b> 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.