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## ***KLEN 1304 G***

### **Cold Zinc Galvanize - Glossy**

#### **Product Description**

***KLEN 1304 G*** instantly provides a silvery zinc film on metal surfaces that uses sacrificial galvanic action to seal out moisture and prevent corrosion from spreading. It is highly resistant to water, acid and salt atmospheric action. ***KLEN 1304 G*** is perfect for touching up or renewing worn hot galvanized surfaces.

#### **Areas of Use**

***KLEN 1304 G*** is ideal for use on oilrigs, tanks, piping, automotive bodies, marine equipment, fencing and most other steel structures in all industries.

#### **Special Features**

- Electro-mechanical zinc bonding optimizes resistance against rusting.
- Liquid solvent composition allows ease of application.
- Meets: U.S. Navy Galvanizing Repair Specifications MIL-P-21035B

#### **Directions for Use**

- Clean surface to be treated of grease, old paint, and loose rust.
- Stir ***KLEN 1304 G*** thoroughly before and frequently during use.
- Brush on a thin coat of ***KLEN 1304 G***, followed by a 2nd coat when dry.
- Surface can be painted over after about 6 hrs drying.

#### **Precautions**

As with most chemical products, avoid ingestion and eye contact. If ingested, dilute by drinking water and seek medical help. If product enters eyes, flush with water and seek medical help.

# SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION				
Product Identifier: KLEN 1304G		Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist		
Other means of identification: Cold Zinc Galvanize – Glossy		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: <b>KLEN 1304 G</b> is ideal for use on oilrigs, tanks, piping, automotive bodies, marine equipment, fencing and most other steel structures in all industries.				
SECTION 2 - HAZARDS IDENTIFICATION				
GHS classification: Flammable liquid: Category 3; Eye irritation: Category 2		Acute toxicity: Oral: Category 4;		
GHS label elements: Pictogram:		Signal word: Warning		
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Hazard statements:		H226: Flammable liquid. H320: Causes eye irritation.		
Precaution statements:		P102: Keep out of reach of children. P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking. P262: Do not get in eyes.		
SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS				
Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Zinc Dust	> 10.0 %	Zn	7440-66-6	231-175-3
Toluene	< 25.0 %	C6H5CH3	108-88-3	203-625-9
Perchloroethylene	> 45.0 %	C2Cl4	127-18-4	204-825-9
Acrylic Polymer	< 20.0 %	-	28262-63-7	608-181-3
Fumed Silica	< 1.0 %	SiO2	10279-57-9	238-878-4
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: 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.				
Unusual Fire/Explosion Hazards: Auto ignition temperature > 500 °C				
SECTION 6 - ACCIDENTIAL RELEASE MEASURE				
Personal precautions, protective equipment, and emergency measures: Use proper protective equipment (chemical protection suit, gloves, goggles, mask, etc).				
Environmental precautions: Chemical substances should not be released into the environment (water, soil).				
Methods and materials for containment and cleaning up: Stop spill at source. Eliminate all sources of ignition. 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 and soap. 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				
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-using.				
Conditions for safe storage, including any incompatibilities: Flammable material. Store in cool, dry, well-ventilated area at room temperature away from any possible source of ignition. 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>		<b>ACGIH - TLV:</b> Provide suitable personal protective equipment and/or ventilation to maintain exposure below TLV levels.	
<b>Appropriate engineering control measures:</b> Normal ventilation is adequate. Mechanical ventilation is recommended when used in confine area.			
<b>Personal Protection:</b> Use protective equipment such as rubber/PVC gloves; protective glasses if splashing is anticipated.			
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
<b>Appearance &amp; Odour:</b>	Viscous silver liquid with mild solvent odour.		
<b>Solubility in water:</b>	Insoluble		
<b>Boiling Point:</b>	> 80 ° C		
<b>Specific Gravity:</b>	1.3 +/- 0.005 g/cm³		
<b>PH:</b>	Not Applicable		
<b>Flash Point (T.C.C.):</b>	27.2 ° C	<b>Flammable Limits - Upper:</b> ~ 7.0%	<b>Lower:</b> ~1.3 %
<b>Vapour Pressure:</b>	< 50 kpa @ 20 ° C		
<b>Vapour Density:</b>	> 1 (Air = 1)		
SECTION 10 - STABILITY AND REACTIVITY			
<b>Reactivity/ In compatible materials:</b> Strong Oxidizers.			
<b>Chemical stability:</b> Stable under normal temperature and pressure.			
<b>Possibility of hazardous reaction:</b> Will not occur.			
<b>Condition to avoid:</b> Prevent possible source of ignition.			
SECTION 11 – TOXICOLOGICAL INFORMATION			
<b>Acute toxicity: Oral:</b> This product contains Toluene that is toxic by ingestion. Ingestion of large amounts may cause mild to severe pulmonary injury and possibly death.			
<b>Dermal:</b> LD 50 (Rabbits) is < 636 mg/kg.			
SECTION 12 – ECOLOGICAL INFORMATION			
<b>Persistence and degradability:</b> Product does not degrade it's own.			
<b>Bioaccumulative potential:</b> It is insoluble in water. This product contains solvents that is volatile and will vaporize in air.			
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 packing group III. Flammable class 3. UN Number: UN1263			
HS Code: 32100099			
SECTION 15 – REGULATORY INFORMATION			
<b>International regulation:</b>			
Classification:	This product contains Toluene that is classified as a flammable liquid under EC classification.		
Risk phrases:	R10	Flammable.	
	R36	Irritating to eyes.	
Safety phrases:	S02	Keep out of reach of children.	
	S16	Keep away from source of ignition – No smoking.	
	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>	3		
<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.