



better products for a cleaner environment

# **STEEL SHINE**

## **Stainless Steel Polish**

### **Product Description**

**STEEL SHINE** is a metal cleaner and polish containing a blend of surfactants with special lubricants. In one easy operation, **STEEL SHINE** removes stains, oxidation, finger marks etc. while at the same time lubricates and enriches the steel surface. It leaves a water and stain-resistant film to retard future smudging. The high level of active ingredients in this formula gives great economy and effectiveness in its use.

### **Area of Use**

**STEEL SHINE** is ideal to use on doors, gate railings, lifts, escalators, furnitures, sign plates, washroom accessories, standing waste bins and most other steel fittings and accessories.

### **Special Features**

- Easy to use.
- Protective film for easier removal of dirt in next cleaning.
- High activity for greater economy.

### **Directions for Use**

- Shake container of **STEEL SHINE** well before using.
- Spray-on or pour a little directly to surface to be cleaned.
- Use clean cloth to apply evenly and with enough pressure to remove stains and marks.
- Polish to a high sheen with another soft, dry and clean cloth.

### **Precaution**

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> STEEL SHINE	<b>Supplier:</b> Klenco (Singapore) Pte Ltd. <b>Address:</b> 18 Gul Crescent, Singapore 629527 <b>Department:</b> Chemical
<b>Other means of identification:</b> Stainless Steel Polish	<b>Person in Charge:</b> Chemist
<b>Date of SDS:</b> 30 June 2011	<b>Phone:</b> (65) 6862 3388
<b>Recommended use and restriction on use:</b> STEEL SHINE is ideal to use on doors, gate railings, lifts, escalators, furniture, sign plates, washroom accessories, standing waste bins and most other steel fittings and accessories.	<b>Fax:</b> (65) 6861 7575 <b>Email:</b> www.klenco-asia.com <b>Emergency contact:</b> (65) 6862 3388

## SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Petroleum lubricating oil	< 10.0 %	N.A.	64742-53-6	265-156-6
Deodourised kerosene	< 10.0 %	N.A.	8008-20-6	232-366-4
Alkyl dimethylamine oxide	< 2.0 %	C <sub>15</sub> H <sub>33</sub> NO	70592-80-2	274-687-2
Nonyl phenol Ethoxylate	< 2.0 %	C <sub>33</sub> H <sub>60</sub> O <sub>10</sub>	26571-11-9	247-816-5
Water	> 70.0 %	H <sub>2</sub> O	7732-18-5	231-791-2

## SECTION 3 - 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. P262: Do not get in eyes.

## 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>	Dry chemical, carbon dioxide and foam.
<b>Specific hazards arising from the chemical:</b>	Burning can produce carbon dioxide and/or carbon monoxide.
<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).
<b>Methods and materials for containment and cleaning up:</b>	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. 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

<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>	Combustible material. Store in cool, dry, well-ventilated area at room temperature away from any possible source of ignition. 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

<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>	Normally ventilation is not required
<b>Personal Protection:</b>	Normally not required. Safety glasses / goggles can be worn if splashing is anticipated.

<b>SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Appearance &amp; Odour:</b>	Two layered emulsion.
<b>Solubility in water:</b>	Partial.
<b>Boiling Point:</b>	121 °C
<b>Specific Gravity:</b>	0.940 +/- 0.01 g/cm <sup>3</sup>
<b>PH:</b>	N.A.
<b>Flash Point (T.C.C.):</b>	82 °C <b>Flammable Limits - Upper:</b> Not applicable <b>Lower:</b> Not applicable
<b>Vapour Pressure:</b>	Not determined
<b>Vapour Density:</b>	Not determined
<b>SECTION 10 - STABILITY AND REACTIVITY</b>	
<b>Reactivity/ In compatible materials:</b>	Acids and 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.
<b>SECTION 11 – TOXICOLOGICAL INFORMATION</b>	
<b>Toxicity:</b>	Low toxicity.
<b>Skin or eye irritation:</b>	This product contains petroleum oil that may cause irritation in eyes and skin of some individuals.
<b>SECTION 12 – ECOLOGICAL INFORMATION</b>	
<b>Persistence and degradability:</b>	Product degrades readily by action of microorganism.
<b>Bioaccumulative potential:</b>	It is emulsifiable by surfactants and does not bio-accumulate.
<b>SECTION 13 – DISPOSAL CONSIDERATIONS</b>	
<b>Disposal method:</b>	Dispose off 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.	
<b>SECTION 15 – REGULATORY INFORMATION</b>	
<b>International regulation:</b>	
<b>Classification:</b>	This product contains petroleum oil is classified as a flammable and combustible liquid under EC classification.
<b>Risk phrases:</b>	R36 Irritating to eyes
<b>Safety phrases:</b>	S02 Keep out of reach of children S25 Avoid contact with eyes
<b>SECTION 16 – OTHER INFORMATION</b>	
<b>Hazard Rating: HMIS (Hazardous Materials Information System)</b>	
<b>HEALTH:</b>	1
<b>FLAMMABILITY:</b>	1
<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.