



better products for a cleaner environment

EASY CLEAN

Heavy Duty Degreaser

Product Description

EASY CLEAN is a water-soluble general purpose detergent that contains powerful grease cutting solvents. Its fast, effective cleaning action makes it economical to use both material and labour wise, while a citrus perfume masks the solvent odours and makes it pleasant to use.

Areas of Use

EASY CLEAN should be used to remove oil, grease and soil from factory equipment, tools, floors, walls, vehicle chassis, road signs, fan ducts and other industrial surfaces.

Special Features

- Product is highly user-friendly.
 - Non-flammable
 - Non-volatile
 - Produces no toxic fumes
 - Biodegradable
- Product is soluble in both soft or hard water
- Safe for use on a wide range of surfaces not affected by water, even on aluminum, formica and woodwork
- Leaves no oily film after cleaning
- Pleasant citrus fragrance

Directions for Use

Dilution rates vary according to specific conditions. General guidelines are:

- Regular cleaning of cars, buses and trucks - 1:80
- Periodic cleaning of aluminum surfaces, woodwork, road signs - 1:20
- Cleaning of heavily soiled concrete, factory and garage floors, work benches, greasy engines, batteries - 1:5

Apply by spraying, sponge or cloth; scrub or agitate if necessary; then wipe clean or rinse. For heavy grease such as on machine parts and tools, soaking method may be used.

Precautions

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

KLENCO (SINGAPORE) PTE LTD

18 Gul Crescent, Singapore 629527 • Tel: (65) 6862 3388 • Fax: (65) 6861 7575 • info@klenco-asia.com • www.klenco-asia.com

Singapore • China • Malaysia • Thailand • ASEAN • South Asia

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION					
Product Name: EASY CLEAN			Distributor: KLENCO (SINGAPORE) PTE LTD		
Description: Heavy Duty Degreaser			Address: 18 Gul Crescent, Singapore 629527		
Date of MSDS: July 2004			Tel: (65) 6862 3388		
SECTION 2 - INFORMATION ON INGREDIENTS					
Chemical Name/Common Name	%	TLV	Chemical Name/Common Name	%	TLV
Sodium metasilicate	< 1	2.0mg/m ³	Potassium hydroxide	< 2	2.0 mg/m ³
Non-hazardous ingredients	To 100		Ethylene glycol butyl ether	< 5	50 ppm
SECTION 3 - HAZARDS IDENTIFICATION					
Emergency Overview: Ingestion may cause nausea, vomiting, pain, upset stomach, diarrhoea. May cause eye irritation. Do not swallow. See sections 3, 5 and 6.					
Primary Routes of Exposure: Skin and eyes					
Eye Contact: May cause reddening of eyes and intense irritation.					
Skin Contact: Incidental contact will cause irritation.					
Inhalation: Exposure is unlikely.					
Ingestion: Exposure is unlikely. May cause nausea, vomiting, pain, and stomach upset.					
Target Organs/Chronic Effects: None known.					
Conditions Aggravated By Exposure: Exposure to this product is not expected to contribute, worsen or aggravate any pre-existing medical conditions.					
SECTION 4 – FIRST AID MEASURES					
Eye Contact: Flush with cool water for at least 15 minutes. Then consult a physician immediately.					
Skin: Wash with large amounts of soap and water. If irritation persists, consult a physician.					
Ingestion: Induce vomiting. Dilute by drinking water. Call a physician immediately.					
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.					
Notes to Physicians: Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.					
SECTION 5 – FIRE FIGHTING METHODS					
Extinguishing Media: Water, dry chemical, carbon dioxide and foam.					
Special Fire Fighting Procedure: 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: None					
Hazardous Decomposition Products: Burning can produce carbon dioxide, carbon monoxide and traces of nitrogen oxides.					
SECTION 6 - ACCIDENTAL RELEASE MEASURES					
Evacuation: No special procedures are usually necessary.					
Containment: Safely stop discharge. Contain material, as necessary, with dike or barrier. Stop material from contaminating soil or from entering sewers or bodies of water.					
Collection And Disposal: Stop discharge, if safe to do so. Use proper protective equipment. 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					
Storage Conditions: Keep container closed to prevent contamination. Store in cool, dry, well ventilated area at room temperature. Keep away from children.					
Transfer: No special precautions are needed. Follow good manufacturing and handling practices.					
Personal Hygiene: Wash thoroughly after handling, especially before eating and drinking. Wash contaminated goggles, face-shield, and gloves. Launder contaminated clothing before re-use.					
Empty Container Precautions: 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					
Exposure Guidelines:					
ACGIH - TLV: Provide suitable personal protective equipment and/or ventilation to maintain exposure below TLV levels.					
Engineering Controls/Ventilation: Local exhaust ventilation is recommended when vapours, mist, or dusts can be released.					
Respiratory Protection: Normally not required.					
Eye Protection: Safety glasses / goggles if splashing is anticipated.					
Hand Protection: Rubber / PVC gloves.					
Other Protective Clothing: Normal work clothing covering arms and legs.					

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance & Odour:	Clear blue liquid with pleasant odour.
Solubility in water:	Complete.
Boiling Point:	100 ⁰ C
Specific Gravity:	1.015 +/- 0.005 g/cm ³
PH:	13.0 +/- 0.5
Flash Point (T.C.C.):	None to boiling
Flammable Limits - Upper:	Not applicable
Lower:	Not applicable
Vapour Pressure:	Not determined
Vapour Density:	Not determined
SECTION 10 - STABILITY AND REACTIVITY	
Chemical Stability:	Stable under normal conditions of use.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Not applicable.
Incompatibility With Other Materials:	Strong acids and oxidizing materials.
SECTION 11 - TOXICITY INFORMATION	
Components:	This product contains sodium metasilicate that may cause irritation to eyes and/or skin. Ingestion of high amount of product may be fatal.
SECTION 12 - ECOLOGICAL INFORMATION	
Environmental Fate and Distribution:	It is soluble in water and does not bio-accumulate.
Persistence and Degradation:	Product degrades readily by reaction of carbon dioxide in the air as well as decomposition by micro-organism.
Toxicity:	Concentrations with a pH value of 10.5 or greater especially in fresh water may be fatal to fish and other aquatic organism. Can cause damage to aquatic plants and vegetation.
SECTION 13 - DISPOSAL CONSIDERATIONS	
Disposal:	Dispose off in an approved waste facility according to local regulations.
General Recommendations:	Of the methods of disposal currently available, 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.	
SECTION 15 - REGULATORY INFORMATION	
Classification:	This product contains sodium metasilicate and potassium hydroxide as ingredients that are classified as corrosive under EC Classification.
Ozone Depleting Chemicals:	No regulated ingredients.
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: MSDS 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.