



better products for a cleaner environment

POWER VIEW

Glass Cleaner

Product Description

POWER VIEW is an outstanding cleaning solution for all glass surfaces. It effectively removes grime, oil films and dust without leaving any residue or streaks. The gleaming shine lasts longer because **POWER VIEW** resists re-soiling, even finger marks. This product is also excellent on other hard, glass-like surfaces such as porcelain, chrome or glazed wall tiles.

Areas of Use

Use **POWER VIEW** on all your glass-like surfaces such as windows, mirrors, windscreens, display cases, glass counters, TV screens, smooth tiles, vases etc.

Special Features

- Prevents re-soiling of surface, reduces frequency of cleaning
- Does not stain, discolour or corrode metal, glass and plastic under normal use
- Contain no phosphate and is safe on hands
- Fully biodegradable

Directions for use

Various methods of application are possible:

- Spot cleaning - apply undiluted by sprayer to surface and wipe dry with a soft clean cloth.
- Full surface wash - apply product, diluted with up to 1~2 times water, with lambswool applicator, sponge or cloth, then dry off with a squeegee.
- When cleaning external surfaces on a hot day, use **POWER VIEW** diluted with water to slow drying time.

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 if discomfort persists.

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: POWER VIEW	Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist
Other means of identification: Glass Cleaner	Phone: (65) 6862 3388 Fax: (65) 6861 7575 Email: www.klenco-asia.com Emergency contact: (65) 6862 3388
Date of SDS: 30 June 2011	
Recommended use and restriction on use: Use POWER VIEW on all your glass-like surfaces such as windows, mirrors, windscreens, display cases, glass counters, TV screens, smooth tiles, vases etc.	

SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Isopropyl alcohol	< 20.0 %	C ₃ H ₈ O	67-63-0	200-661-7
Ethylene glycol butyl ether	< 5.0 %	CH ₃ (CH ₂) ₃ OCH ₂ CH ₂ OH	111-76-2	203-905-0
Aqueous ammonia	< 0.1 %	NH ₄ OH	1336-21-6	215-647-6
Nonyl phenol Ethoxylate	< 1.0 %	C ₃₃ H ₆₀ O ₁₀	26571-11-9	247-816-5
Water	> 70.0 %	H ₂ O	7732-18-5	231-791-2
Blue dye	< 0.01 %	-	NA	NA

SECTION 3 - HAZARDS IDENTIFICATION

GHS classification: Acute toxicity: Category 4; Eye irritation: Category 2	
GHS label elements: Pictogram:	Signal Words: Warning
	
Hazard statements: H320: Causes eye irritation	
Precaution statements: P102: Keep out of reach of children. P233: Keep container tightly closed. P262: Do not get in eyes.	

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:	Water, dry chemical, carbon dioxide and foam.
Specific hazards arising from the chemical:	Burning can produce carbon dioxide, carbon monoxide and traces of nitrogen oxides.
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.

SECTION 6 - ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment, and emergency measure:	Use proper protective equipment (chemical protection suit, gloves, goggles, mask, etc).
Environmental precautions:	Chemical substance should not be released into the environment (water, soil).
Methods and materials for containment and cleaning up:	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 place 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-use.
Conditions for safe storage, including any incompatibilities:	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.

SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION			
Control parameters/ Occupational exposure limits:		ACGIH - TLV: Provide suitable personal protective equipment and/or ventilation to maintain exposure below TLV levels.	
Appropriate engineering control measures:		Normally ventilation is not require	
Personal Protection:	Normally not required. Safety glasses / goggles can be worn if splashing is anticipated.		
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
Appearance & Odour:	Clear blue liquid with characteristic odour.		
Solubility in water:	Complete.		
Boiling Point:	87.8 ° C		
Specific Gravity:	0.965 +/- 0.01 g/cm³		
PH:	9.3 +/- 0.5		
Flash Point (T.C.C.):	> 55 deg C	Flammable Limits - Upper:	Not applicable Lower: Not applicable
Vapour Pressure:	Not determined		
Vapour Density:	Not determined		
SECTION 10 - STABILITY AND REACTIVITY			
Reactivity/ In compatible materials:	Oxidizers.		
Chemical stability:	Stable under normal temperature and pressure.		
Possibility of hazardous reaction:	Will not occur.		
Condition to avoid:	Not applicable		
SECTION 11 – TOXICOLOGICAL INFORMATION			
Acute toxicity: Oral:	Low toxicity		
Skin or eye irritation:	This product contains small percentage sodium hydroxide that may cause mild irritation to some individuals.		
SECTION 12 – ECOLOGICAL INFORMATION			
Persistence and degradability:	Product degrades readily by action of microorganism.		
Bioaccumulative potential:	It is soluble in water and does not bio-accumulate.		
SECTION 13 – DISPOSAL CONSIDERATIONS			
Disposal method:	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.		
SECTION 14 – TRANSPORT INFORMATION			
This material is non-regulated and no special requirement is necessary.			
SECTION 15 – REGULATORY INFORMATION			
International regulation:	This product has not been allocated any classification.		
Classification:	R36 Irritating to eyes		
Risk phrases:	S02 Keep out of reach of children		
Safety phrases:	S07 Keep container tightly closed		
	S25 Avoid contact with eyes		
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: 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.