



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
- Contains no phosphates 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.

KLENGO (SINGAPORE) PTE LTD

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# MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION					
<b>Product Name:</b> POWER VIEW			<b>Distributor:</b> KLENCO (SINGAPORE) PTE LTD		
<b>Description:</b> Glass Cleaner			<b>Address:</b> 18 Gul Crescent, Singapore 629527		
<b>Date of MSDS:</b> August 2004			<b>Tel:</b> (65) 6862 3388		
SECTION 2 - INFORMATION ON INGREDIENTS					
Chemical Name/Common Name	%	TLV	Chemical Name/Common Name	%	TLV
Isopropyl alcohol	< 20	400 ppm	Ethylene glycol butyl ether	< 5	50 ppm
Aqueous ammonia	< 0.1	25 ppm	Non-hazardous ingredients	< 90	
SECTION 3 - HAZARDS IDENTIFICATION					
<b>Emergency Overview:</b> Ingestion may cause nausea, vomiting, pain, upset stomach and diarrhea. May cause mild eye irritation. Do not swallow. See sections 3, 5 and 6.					
<b>Primary Routes of Exposure:</b> Skin and eyes.					
<b>Eye Contact:</b> May cause reddening and irritation.					
<b>Skin Contact:</b> May cause irritation to some individuals.					
<b>Inhalation:</b> Exposure is unlikely.					
<b>Ingestion:</b> Exposure is unlikely. May cause nausea, vomiting, pain and stomach upset.					
<b>Target Organs/Chronic Effects:</b> None known.					
<b>Conditions Aggravated By Exposure:</b> Exposure to this product is not expected to contribute, worsen or aggravate any pre-existing medical conditions.					
SECTION 4 - FIRST AID MEASURES					
<b>Eye Contact:</b> Flush with cool water for at least 15 minutes. Then consult a physician immediately if irritation persists.					
<b>Skin:</b> Wash with large amounts of soap and water. If irritation persists, consult a physician.					
<b>Ingestion:</b> Do not induce vomiting. Dilute by drinking water. Call a physician immediately.					
<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>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 METHODS					
<b>Flash Point (T.C.C.):</b> > 55 deg C		<b>Flammable Limits - Upper:</b> NA		<b>Lower:</b> NA	
<b>Extinguishing Media:</b> Water, dry chemical, carbon dioxide and foam.					
<b>Special Fire Fighting Procedure:</b> Fire fighters may be exposed to the products of combustion should wear a self-contained breathing apparatus with full protective equipment.					
<b>Unusual Fire/Explosion Hazards:</b> None					
<b>Hazardous Decomposition Products:</b> Burning can produce carbon dioxide and/or carbon monoxide. Traces of nitrogen oxides.					
SECTION 6 - ACCIDENTAL RELEASE MEASURES					
<b>Evacuation:</b> No special procedures are usually necessary.					
<b>Containment:</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.					
<b>Collection And Disposal:</b> Prevent run-off. 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					
<b>Storage Conditions:</b> Store in cool, dry, well ventilated area at room temperature.					
<b>Transfer:</b> No special precautions are needed. Follow good manufacturing and handling practices.					
<b>Personal Hygiene:</b> Wash thoroughly with water after handling and before eating and/or drinking. Launder contaminated clothing before re-use.					
<b>Empty Container Precautions:</b> Do not re-use empty container for food, clothing or products for human or animal consumption or where skin contact can occur.					

<b>SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION</b>	
<b>Exposure Guidelines:</b>	Provide suitable personal protective equipment and/or ventilation to maintain exposure below TLV levels.
<b>ACGIH - TLV:</b>	As stated in Section 2.
<b>Engineering Controls/Ventilation:</b>	Normally ventilation is not required
<b>Respiratory Protection:</b>	Normally not required.
<b>Eye Protection:</b>	Normally not required. Safety glasses / goggles can be worn if splashing is anticipated.
<b>Hand Protection:</b>	Rubber gloves.
<b>Other Protective Clothing:</b>	Normal work clothing covering arms and legs if splashing anticipated.
<b>SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Appearance &amp; Odour:</b>	Clear blue liquid with characteristic odour.
<b>Solubility in water:</b>	Complete.
<b>Boiling Point:</b>	87.8 <sup>o</sup> C
<b>Specific Gravity:</b>	0.965 +/- 0.01 g/cm <sup>3</sup>
<b>PH:</b>	9.3 +/- 0.5
<b>Vapour Pressure:</b>	Not determined
<b>Vapour Density:</b>	Not determined
<b>SECTION 10 - STABILITY AND REACTIVITY</b>	
<b>Chemical Stability:</b>	Stable under normal conditions of use.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Not applicable.
<b>Incompatibility With Other Materials:</b>	Oxidizers.
<b>SECTION 11 - TOXICITY INFORMATION</b>	
<b>Components:</b>	This product contains small percentage sodium hydroxide which may cause mild irritation to some individuals.
<b>Toxicity:</b>	Low toxicity
<b>SECTION 12 - ECOLOGICAL INFORMATION</b>	
<b>Environmental Fate and Distribution:</b>	It is soluble in water and does not bio-accumulate.
<b>Persistence and Degradation:</b>	Product degrades readily by action of microorganism.
<b>SECTION 13 - DISPOSAL CONSIDERATIONS</b>	
<b>Disposal:</b>	Dispose off in an approved waste facility according to local regulations.
<b>General Recommendations:</b>	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.
<b>SECTION 14 - TRANSPORT INFORMATION</b>	
	This material is non-regulated and no special requirement is necessary.
<b>SECTION 15 - REGULATORY INFORMATION</b>	
<b>Classification:</b>	This product has not been allocated any classification.
<b>Ozone Depleting Chemicals:</b>	No regulated ingredients.
<b>SECTION 16 - OTHER INFORMATION</b>	
<b>Hazard Rating:</b>	HMIS (Hazardous Materials Information System)
<b>HEALTH:</b>	1
<b>FLAMMABILITY:</b>	0
<b>REACTIVITY:</b>	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.