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cleaner environment

## **POWER FRESH**

### **Pine Disinfectant**

#### **Product Description**

**POWER FRESH** is an effective disinfectant against a wide range of germs and microorganisms. Formulated with a pine fragrance widely used in medical facilities, it will leave the area with a clean, hygienic scent after use.

#### **Areas of Use**

**POWER FRESH** is ideal for cleaning and disinfecting hospital wards, clinics, washrooms, urinals, water closets, garbage areas, lockers and all areas where a hygienic environment is desired. Also is suitable for masking foul odours.

#### **Special Features**

- Free caustic or no toxic solvents and completely safe to use.
- No rinsing is required.
- Chlorinated phenol derived efficiency allows germicidal properties to be maintained over prolonged storage.
- Clean pine fragrance that lasts long after use

#### **Directions for Use**

Dilution rates and application methods vary for different situations. Generally recommended dilution rates with water are:

- |   |               |
|---|---------------|
| - Mopping or scrubbing floors and wiping of hard surfaces                   | ~ dilute 1:80 |
| - Cleaning and disinfecting walls, sanitary areas and heavily soiled floors | ~ dilute 1:50 |
| - Spraying from tank sprayer as odour mask                                  | ~ dilute 1:5  |

#### **Precaution**

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

# SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION				
<b>Product Identifier:</b> POWER FRESH		<b>Supplier:</b> Klenco (Singapore) Pte Ltd. <b>Address:</b> 18 Gul Crescent, Singapore 629527 <b>Department:</b> Chemical <b>Person in Charge:</b> Chemist		
<b>Other means of identification:</b> Pine Disinfectant		<b>Phone:</b> (65) 6862 3388		
<b>Date of SDS:</b> 01 January 2026		<b>Fax:</b> (65) 6861 7575		
<b>Recommended use and restriction on use:</b> POWER FRESH is ideal for cleaning and disinfecting hospital wards, clinics, washrooms, urinals, water closets, garbage areas, lockers and all areas where a hygienic environment is desired. Also is suitable for masking foul odours.		<b>Email:</b> info@klenco-asia.com <b>Emergency contact:</b> (65) 6862 3388 Ext 249		
SECTION 2 - HAZARDS IDENTIFICATION				
<b>GHS classification:</b> Acute toxicity: Category 4 Skin irritation: Category 2				
<b>GHS label elements:</b> Pictogram:		Signal Words: Warning		
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<b>Hazard statements:</b>		H302: Harmful if swallowed. H315: Causes skin irritation.		
<b>Precaution statements:</b>		P102: Keep out of reach of children. P262: Do not get on skin. P280: Wear protective gloves and clothing.		
SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS				
<b>Chemical Identification</b>	<b>Component &amp; Composition</b>	<b>Chemical Formula</b>	<b>CAS NO.</b>	<b>EC NO.</b>
Isopropyl Alcohol	< 5.0 %	C3H8O	67-63-0	200-661-7
Sodium Hydroxide	< 1.0 %	NaOH	1310-73-2	215-185-5
Pine Oil	< 7.0 %	Mixture	8002-09-3	232-688-5
Gum Rosin	< 2.0 %	C19H29COOH	8050-09-7	232-475-7
Oleic Acid	< 3.0 %	C18H34O2	112-80-1	204-007-1
Water	> 90.0 %	H2O	7732-18-5	231-791-2
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> Water, dry chemical, carbon dioxide and foam.				
<b>Specific hazards arising from the chemical:</b> Burning can produce carbon dioxide, carbon monoxide and traces of nitrogen oxides.				
<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 - ACCIDENTIAL RELEASE MEASURE				
<b>Personal precautions, protective equipment, and emergency measures:</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. 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> Store in cool, dry, well-ventilated area at room temperature. 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> ACGIH - TLV: 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.				

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES		
Appearance & Odour:	Brown liquid with pine odour	
Solubility in water:	Complete.	
Boiling Point:	100 ° C	
Specific Gravity:	1.000 +/- 0.005 g/cm <sup>3</sup>	
PH:	12.2 +/- 0.2	
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		
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 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 non-regulated, and no special requirement is necessary.		
HS Code: 34024990		
SECTION 15 – REGULATORY INFORMATION		
International regulation:		
Classification:	This product has not been allocated any classification.	
Risk phrases:	R22	Harmful if swallowed.
	R38	Irritating to skin.
Safety phrases:	S02	Keep out of reach of children.
	S24	Avoid contact with skin.
	S36/ 37	Wear suitable protective clothing and gloves.
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.