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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 is completely safe to use.
- No rinsing 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				
Product Identifier: POWER FRESH		Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist		
Other means of identification: Pine Disinfectant		Phone: (65) 6862 3388		
Date of SDS: 1 January 2020		Fax: (65) 6861 7575		
Recommended use and restriction on 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.		Email: info@klenco-asia.com Emergency contact: (65) 6862 3388 Ext 249		
SECTION 2 - HAZARDS IDENTIFICATION				
GHS classification: Acute toxicity: Category 4; Skin irritation: Category 2				
GHS label elements: Pictogram:		Signal Words: warning		
				
Hazard statements:	H302: Harmful if swallowed H315: Causes skin irritation			
Precaution statements:	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				
Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
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 %	H ₂ O	7732-18-5	231-791-2
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 required		
Personal Protection:		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 ³
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 degrade 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. HS Code: 34021990	
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.