



Material Safety Data Sheet

PINOSAN



Section I Product Identification			
Product Name: Pinosan			
Product Type: General Purpose Germicidal Cleaner – 5 th Generation			
WHMIS Classification: Exempt			
Section II Hazardous Ingredients			
Cas Registry No.	%	Chemical Name(s)	Toxicity
68424-85-1	0.1-1.0	Alkyl Dimethyl Benzyl Ammonium Chloride	LD ₅₀ ORAL (RAT) 400 mg/kg
7173-51-5	1-5	Didecyl Dimethyl Ammonium Chloride	Not Available
Section III Physical Data		Section IV Fire and Explosion Hazard Data	
Appearance: Clear Green Liquid		Flash Point (Method used) (°C): None	
Odour: Scented		Extinguishing Media: Not Applicable	
PH (concentrate): 7.2		Special Fire Fighting Procedures: None	
Boiling Point (°C): 100		Unusual Fire and Explosion Hazards: None	
Specific Gravity: 1.0			
Solubility in water (%): 100			
Section V Toxicological Properties			
Effects of Overexposure	Hazard Rating	Rating System	
Swallowing: Slightly Toxic	Health: 2	0 = Insignificant	
Inhalation: Slightly Irritant	Flammability: 0	1 = Slight	
Skin Absorption: Unknown	Reactivity: 0	2 = Moderate	
Skin Contact: Slight to Moderate Irritant		3 = High	
Eye Contact: Irritant		4 = Extreme	
Special Warning: None			
Section VI First Aid Measures			
Ingestion: Promptly drink large quantities of milk, egg whites, gelatin or water. Avoid alcohol. Call a physician immediately.			
Inhalation: Remove to fresh air. Call a physician.			
Skin: Flush with water for 15 minutes. Remove and wash contaminated clothing. Call a physician.			
Eyes: Flush with water for at least 15 minutes. Call a physician.			
Section VII Reactivity Data			
Stable: x		Unstable:	
Condition to avoid: None			
Incompatibility (Materials to avoid): None			
Hazardous Decomposition Products: None			
Hazardous Polymerization: Will not occur			
Section VIII Preventive Measures			
Protective Gloves: Yes			
Eye Protection: Yes			
Ventilation: Local Exhaust:		General: X	
Respiratory Protection (Specify type): No			
Other Protective Equipment: In case of spills, wear chemical resistant apron and boots.			
Steps to be taken in case material is released or spilled: Mop up spillage. Rinse spill area with water and allow to dry.			
Waste disposal method: Flush with water into waste systems in accordance with municipal, provincial and federal regulations.			
Precautions to be taken in handling and storage: Normal handling processes. Inside storage at 4-40°C recommended.			
Other precautions: Follow label use instructions			
UN: Not Applicable			
TDG Class: None			
Section IX Preparation Data			
Prepared by: D.R. Dunlop		Phone: (613) 745-6861	MSDS.026
Date: January 1, 2007		Dustbane Products Limited, 25 Pickering Place, Ottawa, Ontario, K1G 5P4	

PINOSAN

General Purpose Germicidal Cleaner – 5th Generation

“One step cleaner, germicide and deodorant (Pseudomonacidal, Staphylocidal, Salmonellacidal, Fungicidal, Virucidal)..”

Features and Benefits

Environmentally friendly – A.P.E. free

Neutral quat - preserves the floor finish appearance

Excellent cleaning abilities - handles heavy duty cleaning on hard non-porous surfaces

Multiple claims - effectively destroys a broad range of bacteria, fungi and viruses including: Pseudomonas aeruginosa, Staphylococcus aureus, Salmonella choleraesuis, Trichophyton mentagrophyte, Influenza A/Hong Kong, Vaccinia

Pine fragrance - leaves the area smelling fresh and clean

Where to Use

For use on hard non-porous surfaces such as floors, walls, furniture, sinks, tubs, toilets, garbage pails, counter tops, metal and plastic surfaces.

PINOSAN is intended for use in veterinary clinics, laboratories, hospitals, dental clinics, nursing homes, food processing facilities and federally inspected meat, poultry and fish establishments.

Surfaces subject to direct food contact should be adequately rinsed with potable water.

How to Use

Recommended Dillution Rates:

General Cleaning 1:40 - 1:80

Heavy Duty Cleaning 1:20 - 1:40

Disinfection 1:40

Note: Adjust dilution rates to suit your cleaning needs.

Apply with a mop, sponge or cloth.

Mold and Mildew: When mixed at a rate of 1:40, PINOSAN effectively inhibits the growth of odour-causing mold and mildew. Apply the solution and allow it to dry on the treated surface. Repeat treatment when mold or mildew returns.

Disinfecting: Allow a minimum contact time of 10 minutes in a single application. Surfaces subject to direct food contact should be adequately rinsed with potable water. Heavily soiled surfaces may require a precleaning step.

HIV-1 When mixed at a rate of 1:40, PINOSAN may be used to clean and decontaminate hard surfaces exposed to blood or other body fluids that contain the HIV -1 virus. Thoroughly clean all hard surfaces removing blood and body fluids prior to disinfection. Allow surfaces to remain wet for a minimum of 4 minutes. Wear protective clothing including latex gloves, gown, mask and eye goggles. Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to local regulations. [Note: efficacy testing was done in the presence of hard water (400 ppm as CaCO₃) and a soil load (5% blood serum)].

Specifications

Didecyl dimethyl ammonium chloride	1.44%
n-Alkyl (50% C14, 40% C12, 10% C16); dimethyl benzyl ammonium chloride	0.96%
Inert Ingredients	97.6%
pH, concentrate @ 25°C	7.2 - 7.7 (neutral)
pH, at 1:80 @ 25°C	7.0 - 7.5
Colour	green
Odour	pine
DIN#	02213133
Agri-Food Approval	yes

MSDS.026