



Pine Germ

GERMICIDAL DETERGENT

GERMICIDES & DEODORANTS

DESCRIPTION: Brilliant's Pine Germ is a multi-purpose germicide and deodorant effective in 5% organic serum. Disinfects and deodorizes in one labor saving step. Recommended for hospitals, nursing homes, schools, colleges, veterinary clinics and animal life science labs, equine farms, tack shops, pet shops, airports, kennels, hotels and motels, and federally inspected meat and poultry plants. Bactericidal at 1:256 dilution (½ ounce per gallon of water) against Pseudomonas aeruginosa, Staphylococcus aureus, and Salmonella choleraesuis according to AOAC Use-Dilution Test method, modified in the presence of 5% organic serum. Fungicidal against Trichophyton Intergitale and Candida albicans according to the AOAC fungicidal test modified in the presence of 5% organic serum at a 1:256 dilution. Virucidal against Bovine rhinotracheitis virus, Avian infectious bronchitis virus, and Newcastle virus according to the virucidal qualifications modified in the presence of 5% organic serum at a 1:256 dilution. **It is a violation of federal law to use this product inconsistent with its labeling.**

DIRECTIONS:

- Dilute product two ounces per one gallon of water, for use on pre-cleaned, hard, non-porous and plastic surfaces. Can be applied with a cloth, sponge, mop, or trigger sprayer.
- Let solution stand for a minimum contact time of 10 minutes. Allow to air dry.
- The use solution is prepared fresh for each use then discarded. Rinsing may be needed if floors are to be waxed.
- To control mold and mildew, use on pre-cleaned, hard, porous surfaces such as chopping blocks, counter top, or any surface in contact with food preparation. Can be used on utensils, plates and glasses.
- For heavy soiled areas, remove food particles and soil prior to washing. Rinse with potable water prior to application of sanitizing solution.
- The recommended use solution is prepared fresh for each use then discarded. For mechanical applications, use solutions may not be reused for sanitizing purposes. Before use as a sanitizer in a federally inspected meat and poultry plant, or dairies, food products and packaging material must be removed from the room or carefully protected. A potable water rinse is not required following use of this compound on previously cleaned surfaces provided that the surfaces are adequately drained before contact with food, so little or no residue remains.

PACKAGING:

SIZE

4/1 gallon case

CATALOG #

64400404

PRODUCT SPECIFICATIONS

Appearance:	Clear Liquid
Color:	Green
Odor:	Pine
pH:	11.80-12.80
Specific Gravity:	.990-1.010
Viscosity:	<10
PPM Quat (1:256):	200

BRILLIANT PRODUCTS
P. O. Box 1425 Avon Park, FL 33826
Phone: 863-452-3872 Fax: 863-452-3878

CONTROLLED

Issue Date: 08/10/05
Form PB644004B, Rev (D)

MATERIAL SAFETY DATA SHEET

Prepared By: Manny Cueto

(Prepared According to 29 CFR 1910.1200)

Effective Date: 08/10/05

SECTION 1- PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: PINE GERM
Generic Name: Germicidal Detergent
Product Group: Germicides and Detergents

Manufacturer's Name: BRILLIANT PRODUCTS
 P.O. BOX 1425
 AVON PARK, FL 33826
Phone #: (863)-452-3872

SECTION 2- INGREDIENT INFORMATION

CHEMICAL NAME	CAS #	WT %	PEL	TWA-TLV	STEL- TLV
Water	7732-18-5	to 100	N.A.	N.A.	N.A.
Sodium Hydroxide	1310-73-2	<30	2mg/m ³	N.A.	N.A.
N,N-Didecyl-N,N-dimethylammonium chloride	7173-51-5	N.A.	N.A.	N.A.	N.A.
N-Alkyl (C ₂₋₁₆)-N,N-dimethyl-N-benzylammonium Chloride	8001-54-5	N.A.	N.A.	N.A.	N.A.

SECTION 3- PHYSICAL DATA

Boiling Point: >212°F
Vapor Pressure: 17 mm Hg @ 20° C
% Volatile: 50 %
Solubility in Water: Complete
Physical Description: Clear green liquid with pine odor.

Specific Gravity: .990-1.010
Vapor Density (Air=1): >1
pH: 11.8 – 12.8
Evaporation Rate (Water=1): 1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point: >100°F
Extinguishing Media: Water fog, dry chemical, chemical foam, CO₂
Special Firefighting Procedures: Must wear NIOSH/MSA self-contained breathing apparatus, full protective clothing.
Unusual Fire/Explosion Hazards: Burning product is toxic; Vapors flammable.
Upper Explosion Limits: N.A. **Lower Explosion Limits:** N.A.

SECTION 5- REACTIVITY DATA

Stability: Stable **Incompatibility (Materials to Avoid):** Strong oxidizing and reducing agents. **Hazardous Polymerization:** Will not occur.
Hazards Decomposition Products: Toxic organic vapors and fumes: Hydrogen chloride, amine vapors, carbon dioxide, carbon monoxide, and oxides of nitrogen.

SECTION 6- STORAGE AND HANDLING INFORMATION

Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Wear protective eyewear and gloves when handling. Protect from extreme temperatures.

SECTION 7- HEALTH HAZARDS AND FIRST AID

Effects of Overexposure
Skin: Contact may cause severe irritation, burns and possible irreversible damage.
Eyes: Will cause severe irritation and/or burns and possible irreversible damage.
Inhalation: Vapors or mist may cause irritation to mucous membranes. Prolonged inhalation may produce drowsiness, lassitude, and lack of concentration.
Ingestion: Can cause immediate burning in mouth, throat, and abdomen, severe swelling in the larynx. Can cause skeletal muscle paralysis affecting the ability to breathe, circulatory shock and/or convulsions. May be fatal if swallowed.
First Aid Procedures
Skin: Wash skin thoroughly with water.
Eyes: Flush with water for 15 minutes; Seek medical attention immediately.
Inhalation: Remove to fresh air. Seek medical attention immediately.
Ingestion: Call nearest Poison Control Center, get immediate medical attention. If swallowed give 3-4 glasses of milk. **DO NOT** induce vomiting, if victim vomits give more fluids. Evacuate stomach if necessary. Mucousal damage may contradict use of gastric lavage. Measures against circulatory shock, oxygen and breathing support may be needed. If persistent, convulsions may be controlled by intravenous injection of a short acting barbituate drug.

SECTION 8- SPECIAL PROTECTION INFORMATION

Respiratory Protection: None.
Ventilation Requirements: Recommended.
Protective Gloves: Chemical resistant neoprene or rubber.
Eye Protection: Safety glasses recommended.
Other Protective Equipment: Safety eye bath nearby.

SECTION 9-SPILL OR LEAK PROCEDURES

Cleanup Procedure for Spills: Small spills– wash to sanitary sewer with plenty of water. Large spills- Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb or hold disposal. Avoid discharge to sewer or open waterways.

Waste Disposal: Dispose in accordance with local, state and federal regulations.

SECTION 10-REGULATORY INFORMATION

<p>SARA Title III – Section 311/312 – Hazard Categories: Fire: Y Sudden Release of Pressure: N Reactivity: N Acute (IMMEDIATE) Health Hazard: Y Chronic (DELAYED) Health Hazard: Y Other: Burning product produces toxic fumes.</p>	Shipping Information		HMIS Hazardous Material Identification System	
	<p>Name: Disinfectant Liquids, Corrosive. Hazard Class: 8 Reference: 49CFR 172.101 Identification #: UN 1903 Label: Corrosive</p>		Health	1
			Flammability	0
			Reactivity	0
	<p>For emergency and medical help line, call INFOTRAC at 1-800-535-5053, 24 hours a day, 7 days a week for information on all our products and/or MSDS. Obtain an MSDS at www.pride-enterprises.org/MSDS/menu.htm or call customer service at (863)-452-3872.</p>		Personal Protection	1

SECTION 11- OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts No responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept NO liability for damages or loss incurred from the improper handling and use of this product.