

SPRUCE

Pine Deodorant Cleaner



For Use On

Floors	Chrome	Plastic
Walls	Desks	Vinyl
Concrete	Refrigerators	Painted Surfaces
Furniture	Tables	Stainless Steel
Porcelain		

Authorizations

Product Description

A very effective all-purpose cleaner and deodorant fortified with pine oil. Works equally well for general cleaning or heavily soiled areas. After cleaning is complete, a pleasant residue odor of pine remains. Safe to use on all surfaces not affected by water. Highly concentrated and economical to use.

Directions For Use

FOR GENERAL CLEANING: Add 2 ounces of concentrate pine cleaner per gallon of warm water. Brush or sponge solution onto surface to be cleaned. Wipe with a damp sponge or rag.

FOR WET MOPPING OF FLOORS: Add 2 ounces of concentrate per gallon of warm water. Apply freely to floor with mop or sponge. Pick up with mop or wet vac. Rinse with clean water. Mop damp dry.

FOR USE IN AUTOSCRUBBERS: Add 1 ounce of concentrate per one gallon of water and add to reservoir. Run autoscrubber in usual manner.

Technical Data

TEST:

Color:

Odor:

Base:

pH:

Viscosity:

Foam:

Abrasives:

Solubility:

LIMIT:

Light amber

Pine

Pine oil

11.5 - 12.0

Slightly viscous

Low to moderate

None

Complete with water

TEST:

Emulsification:

Detergency:

Rinsability:

Flash Point:

Biodegradability:

Storage/Stability:

Weight Per Gallon:

Freeze Thaw Stability:

Proper Shipping Name:

LIMIT:

Excellent

Excellent

Excellent

None (waterbased)

Completely

2 years

8.26 lbs. per gallon

Keep from freezing

Cleaning Compound

H. & M. Wagner & Sons

GLEN BURNIE, MD 21061

TO REORDER PHONE: (410) 766-1150

TOLL FREE WATTS: 800-492-4571 FAX: (410) 768-5822

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Spruce**Generic Name:** Deodorant All Purpose Cleaner**Chemical Family:** Pine Oil Detergent Blend**Formula:** Proprietary**Supplier's Name:** H. & M. Wagner & Sons**Supplier's Address:** Glen Burnie, MD 21061**Supplier's Phone #:** (410) 768-5822

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Potassium Tall Oil Soap	61790-44-1	5 to 10			
Pine Oil	98-55-5	5 to 10			
Isopropyl Alcohol	67-63-0	5 to 10	400 ppm	400 ppm	500 ppm
Tetrasodium EDTA	64-02-8	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F. **Specific Gravity:** 0.991
Vapor Pressure: 20mm Hg @ 68 F. **Vapor Density (Air=1):** >1
% Volatile: 85+ **pH:** 11.5-12.0
Solubility in Water: Complete **Evaporation Rate (Water=1):** <1
Physical Description: Slightly viscous light amber liquid with pleasant odor.

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 122°F (TCC)
Upper Explosion Limit: 8 **Lower Explosion Limit:** 1
Extinguishing Media: CO₂, Dry chemical, foam, Halon or Water
Special Firefighting Procedures: Wear self-contained breathing apparatus in confined areas.
Unusual Fire and Explosion Hazards: Fire exposed closed containers may explode in extreme heat.

SECTION 5-REACTIVITY DATA

Stability: Stable **Hazardous Polymerization:** None
Hazards Decomposition Products: Will not occur. **Incompatibility (Materials to Avoid):** Strong acids and oxidizers.

SECTION 6-STORAGE AND HANDLING INFORMATION

Combustible liquid. Avoid contact with heat, spark or open flame. 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 rubber gloves when handling. Avoid breathing of vapors. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Skin irritant. May cause moderate reddening and swelling.
Eyes: Eye irritant. Liquid and mists may injure the eyes, causing corneal damage.
Inhalation: Vapors may be irritating to the nose, throat, and lungs.
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system.
 Vomiting and diarrhea expected with large doses.

First Aid Procedures:

Skin: Flush with water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention.
Inhalation: Get to fresh air. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use in well-ventilated area.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Chemical resistant rubber.
Eye Protection: Safety glasses recommended.
Other Protective Equipment: Eyewash station should be provided nearby.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not disposal of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:

Yes - Fire Hazard
 No - Sudden Release of Pressure Hazard
 No - Reactivity Hazard
 Yes - Immediate (acute) Health Hazard
 No - Delayed (chronic) Health Hazard

Shipping Information:

FOR CONTAINERS > 1 Gallon : Cleaning Compound
 FOR 1 GALLON CONTAINERS : Cleaning Compound
 FOR CONTAINERS < 1 GALLON : Cleaning Compound

HMIS Hazardous Materials Identification System

Health	2
Flammability	2
Reactivity	0
Personal Protection	B

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

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