

MATERIAL SAFETY DATA SHEET

N/A=NOT APPLICABLE

ND=NOT DISCLOSED

EFFECTIVE DATE 01/07

SECTION 1 - PRODUCT IDENTIFICATION EPA REG# 10324-66-44230

Product Name: PINE-O-PINE PINE ODOR DISINFECTANT (DF101) Chemical Family: DISINFECTANT, LIQUID
Supplier's Name: Banner Chemical Corp. Proper Shipping Name: CLEANING COMPOUND
Supplier's Address: 111 Hill St. DOT Shipping Hazard: N/A
Orange, NJ 07050 DOT Labels Required: N/A

EMERGENCY TELEPHONE NUMBER 973/676-2900 HMIS RATING (0-4): HEALTH: 3 FIRE: 0 REACTIVITY: 0

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	% (optional)	TLV(ACGIH)
Octyl decyl dimethyl ammonium chloride	32423-11-2		
Dioctyl dimethyl ammonium chloride	5538-94-3		
Didectyl dimethyl ammonium chloride	7173-51-5		
Alkyl(50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chloride	68424-85-1		
Pine Oil	8002-09-3		
Ethanol	64-17-5		
*Isopropanol	67-63-0	4.75	400ppm.
Sodium sesquicarbonate	6834-92-0		
Tergitol	9016-45-9		
Hampene	65-02-8		

*This toxic chemical is subject to reporting requirements of Sec. 313-SARA Title III-40CFR. Part 372.

SECTION 3 - PHYSICAL DATA

BOILING POINT: N/A
VAPOR PRESSURE (mmHg @ 20°C): 44
VAPOR DENSITY (air=1): Not known
SPECIFIC GRAVITY: .994
pH: 10.1
PHYSICAL DESCRIPTION: Brown liquid; pine aroma

% VOLATILE BY VOLUME: 95
SOLUBILITY IN WATER: Complete
EVAPORATION RATE Butyl Acetate: 1 ND

SECTION 5 - PHYSICAL HAZARDS

STABILITY: Stable CONDITIONS TO AVOID: mixing with strong oxidizers or reducing agents
INCOMPATIBILITY: Strong oxidizers or reducing agents HAZARDOUS POLYMERIZATION: won't occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic hydrogen chloride fumes, oxides of carbon and nitrogen

SECTION 6 HEALTH HAZARDS

EFFECTS OF OVEREXPOSURE: SKIN & EYE: Corrosive. Severe eye damage can result from direct contact. Severe skin irritation. INHALATION: Irritation of mucous membrane can be caused by solvent vapors or mists of products. INGESTION: Can cause burning in mouth, throat and abdomen; swelling of larynx; skeletal muscle paralysis affecting ability to breathe; circulatory shock and/or convulsion. May be fatal if swallowed.
EMERGENCY & FIRST AID PROCEDURES: EYES: Immediately flush with copious amount of water for at least 15 min., holding eyelids apart. SKIN: Remove contaminated clothing and wash skin with soap and water. INHALATION: Remove to fresh air. INGESTION: Drink a large qty of egg whites, gelatin solution. If these are not available, Give 3-4 glasses of water. Avoid alcohol. Call a physician immediately. Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Chemicals Listed as Carcinogen by: OSHA, no. IARC Monographs, no. National Toxicology program, no.

SECTION 6 - REACTIVITY DATA

STABILITY: Stable under normal conditions
INCOMPATIBILITY: Strong oxidizers; strong reducers
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic vapors; HCl; oxides of carbon; oxides of nitrogen.
HAZARDOUS POLYMERIZATION: Will not occur

SECTION 4 - FIRE and EXPLOSION DATA

FLASH POINT: N/A
FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: Cool fire exposed containers with spray.
SPECIAL FIREFIGHTING PROCEDURES: Wear NIOSH approved self-contained breathing apparatus.
UNUSUAL FIRE & EXPLOSION HAZARD: Products of combustion are toxic. Heated solvent vapors can travel to an ignition source & flash back.

SECTION 7 - SPILL or LEAK PROCEDURES

SPILLAGE: Remove ignition sources. Wear respirator. Small spills may be mopped. Larger spills should be contained with Ban-dri, earth, sand or similar inert material.
WASTE DISPOSAL METHOD: In a manner consistent with federal, state and local regulations

SECTION 8 - TOXICITY

Acute Oral LD₅₀ ND Acute Dermal ND Primary Skin ND Primary Eye ND

SECTION 9 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Can use N-IOSH respirator. VENTILATION: Local exhaust sufficient. GLOVES: Rubber or plastic coated should be used. EYE PROTECTION: Safety glasses or shield if splashing expected. OTHER PROTECTIVE EQUIPMENT: Clothing cover can be used. Imoervious apron, eyewash facility, emergency shower, faceshield

SECTION 10 - SPECIAL PRECAUTIONS

Do not get in eyes or on skin. Wash thoroughly after handling. Use with adequate ventilation. Store away from other chemicals and out of the reach of children. Store in a closed container away from fire and extreme heat. Keep from freezing. Use protective equipment.

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