

MATERIAL SAFETY DATA SHEET

Date Prepared: 09-01-01 By Charles D. Werner

SECTION 1 - PRODUCT IDENTIFICATION			
Distributor Name: Fortech Products by Formula Corporation	Emergency Phone No: 1-800-228-5635 ext. 059		
Address: 7901 2nd Ave. S., Seattle, WA 98108			
Trade Name: PINE CLEAN	Product Type: Disinfectant Cleaner		
Formula Code: FLDPD6NX	Formula:		
SECTION 2 - HAZARDOUS INGREDIENTS			
Chemical Name/Common Name:	CAS NO.	PERCENT (optional)	TLV (Source)
Pine Oil	8002-09-3	4	100
Isopropyl Alcohol	67-63-0	8	400 (OSHA)
Nonionic surfactant		1 - 5	NE
Quaternary Ammonium Chloride Compounds	68391-01-5 & 68956-79-6	2	NE
No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.			
SECTION 3 - PHYSICAL DATA			
Boiling Point: (F) 212 (100 C) Freeze Point 32 F (0 C)	Specific Gravity: (H2O = 1.0) 1.0	pH: 6.5	
Vapor Pressure: (mm/Hg) Not Determined	Vapor Density: Heavier than air		
Solubility In Water: Complete			
Evaporation Rate (Vs ether) Slower			
Appearance and Odor: Liquid, non-viscous, brown color and pine fragrance			
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (T.C.C.): APPROXIMATELY 120 F			
Extinguishing Media: nonflammable and non-explosive No special procedures required.			
Special Fire Fighting Procedures: COMBUSTIBLE -- Clear area of unprotected personnel. Do not enter confined fire space without full bunker gear, including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers.			
Unusual Fire and Explosion Hazards: NOTHING SPECIAL.			
SECTION 5 - REACTIVE DATA			
Stability: Stable	Incompatibility: non-reactive.		
Hazardous Decomposition Products: none			
SECTION 6 - HEALTH HAZARDS			
Threshold Limit Value - Product (See Section 2 for Ingredient TLV)		None Established	
Primary Routes of Exposure:	Eye - yes	Skin- yes	Oral-yes Inhalation-yes Other
Signs and Symptoms of Over-exposure (Acute): EYES: Contact with concentrate may cause severe eye irritation. SKIN: Exposure may irritate the skin.			
INGESTION: Irritation of the mouth throat, and gastrointestinal tract. Ingestion of this product may result in CNS effects including headache, sleepiness, dizziness, slurred speech and blurred vision.			
Chronic Health Hazards: Undetermined			
Medical Conditions Aggravated by Over-exposure: Persons with pre-existing skin disorders, eye problems, impaired respiratory function may more susceptible to effects.			
Carcinogen or Suspect Carcinogen Ingredients: NTP - NO IARC - NO OSHA - NO NONE			
SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES			
Eyes: Flush with immediately with lots of running water for at least 15 minutes holding eyelids open. Get medical attention.			
Skin: Flush skin with water. Remove contaminated clothing & shoes. Wash before reuse.			
Ingestion: If vomiting occurs spontaneously, keep victim's head below his hips to prevent his breathing vomitus into his lungs. Drink 1 to 8 glasses of water or milk to dilute. Call physician or poison control center immediately, treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person.			
Inhalation: Get to fresh air.			
SECTION 8 - SPECIAL PROTECTION INFORMATION			
Respiratory Protection: not normally required	Ventilation Requirements: Adequate ventilation required to keep the air contamination below TLV's.		
Protective Gloves: not normally required.	Eye Protection: Not normally required. Recommended if used overhead or misting or spraying.		
SECTION 9 - SPILL OR LEAK PROCEDURES			
Steps to be Taken if Released or Spilled: For small spills, mop or wipe up and contain. For large spills, contain by diking with absorbent material and contain. Rinse with water.			
Waste Disposal Methods: Note that the contaminates of the product must be consider when disposing. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures and comply with them.			
SECTION 10 - STORAGE AND HANDLING INFORMATION			
Precautions to be Taken in Handling and Storage: COMBUSTILBE -- KEEP AWAY FROM HEAT AND FLAME. Do not mix chemicals.			
Keep container tightly closed when not in use			