

SUBSTITUTED MATERIAL SAFETY DATA SHEET
(Prepared According to 29 CFR 1910.1200)

Date Prepared: 3/7/2007

Code: F104 / 1173

SECTION 1 - PRODUCT IDENTIFICATION

Distributor: Custom Solutions	Emergency Phone: 800.309.5869
Address: 900 East 103rd Street, Chicago, IL 60628	Prepared By: LPL
Trade Name: Food Service Pine Cleaner	Product Type: Cleaner/Deodorizer

SECTION 2 - INGREDIENTS

CHEMICAL NAME/COMMON NAME	CAS NO.	WT. %(opt)	TLV(Source)	TITLE III, SECT. 313
Pine Oil	8002-09-3	<10%	None Established	No
Nonionic Surfactant	9016-45-9	<5%	None Established	No
Tetrasodium EDTA	64-02-8	<5%	None Established	No

SECTION 3 - PHYSICAL DATA

Boiling point (°F.)	212°F	Specific Gravity (H2O=1.0)	1.01 ± 0.005	pH	11.6 ± 0.5
Vapor Pressure (mm Hg)	Not Determined	Vapor Density (Air=1)	Not Determined		
Solubility in water	<input type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input checked="" type="checkbox"/> Emulsifiable (or Dispersible) <input type="checkbox"/> Slight (or Partial)				
Evaporation Rate (vs. H2O)	<input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same	Appearance and Odor	Clear amber liquid with pine odor.		

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.)	°F. <input checked="" type="checkbox"/> None to Boiling	Flammable Limits	N/A	Upper	Lower
Extinguishing Media	Product is non-combustible. Water Spray (Fog), Dry Chemical; CO2; or Foam may be used where product is stored.				
Special Firefighting Procedures	Firefighters should wear a self contained breathing apparatus with full protective equipment.				
Unusual Fire and Explosion Hazards	None				

SECTION 5 - REACTIVITY DATA

Stability	Stable	Incompatibility	Strong acids/oxidizers. Do not mix with chlorinated detergents (bleach).
Hazardous Decomposition Products	Burning may produce oxides of carbon and other substances.		

SECTION 6 - HEALTH HAZARD DATA

Primary Routes of Exposure	<input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input type="checkbox"/> Inhalation <input type="checkbox"/> Other
Signs and Symptoms Of Overexposure (Acute)	Product is a mild eye and skin irritant. Ingestion may cause nausea, vomiting and general malaise. Contact with eyes may cause transitory irritation and reddening.
Signs and Symptoms of Overexposure (Chronic)	None currently known.
Medical Conditions Aggravated by Overexposure	An existing dermatitis.
Carcinogen or Suspect Carcinogen Ingredients	<input type="checkbox"/> NTP <input type="checkbox"/> IARC <input type="checkbox"/> OSHA <input checked="" type="checkbox"/> NONE

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes	Flush eyes with water for at least 15 minutes and call a physician immediately.
Skin	Wash affected areas with large amounts of soap and water. If irritation persists call physician.
Ingestion	Do NOT induce vomiting. Dilute by drinking water. Call a physician immediately.
Inhalation	Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. Call a physician.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection	Not required under normal use conditions. Avoid misting conditions.
Ventilation Requirements	Normal <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other <input type="checkbox"/> Eye Protection Safety Glasses
Protective Gloves Rubber/PVC	Other Protective Clothing Protective clothing appropriate to minimize contact during specific operations.

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps To Be Taken If Released or	Rinse small spills to drain. Contain large spills by diking with soil or other inert material. Mop, pump or absorb with inert material and reclaim into sound containers for reuse, recycle or proper disposal.
Waste Disposal Methods	Dispose of in an approved waste facility according to Federal, State and local regulations.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken In Handling and Storage	No special requirements if product is handled according to good manufacturing practices. Keep container closed when not in use. Wash thoroughly after handling.
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The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

HMIS
HAZARD
RATING

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

0 - LEAST
1 - SLIGHT
2 - MODERATE
3 - HIGH
4 - EXTREME