

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

Date Prepared: 3/1/2007

Code: 6347

SECTION 1 - PRODUCT IDENTIFICATION

Distributor Custom Solutions	Emergency Phone 800.309.5869
Address 900 East 103rd Street, Chicago, IL 60628	For health and safety information on this product contact the National Pesticide Information Center at 1-800-858-7378.
Trade Name PI-NO-GERM	Product Type Disinfectant Cleaner

SECTION 2 - INGREDIENTS

CHEMICAL NAME/COMMON NAME	CAS NO.	WT. %(opt)	TLV(Source)	TITLE III, SECT. 313
Isopropyl Alcohol	67-63-0	8-12%	400ppm(TWA)	No
Potassium Tallowate	61790-32-7	8-12%	None Established	No
Pine Oil	8002-09-3	20%	None Established	No
Water	7732-18-5	>50%	None Established	No

SECTION 3 - PHYSICAL DATA

Boiling point (°F.)	212°F	Specific Gravity (H2O=1.0)	0.97 ± 0.005	pH	12.5 ± 0.5
Vapor Pressure (mm Hg)	Not Determined	Vapor Density (Air=1)	Not Determined		
Solubility in water	<input checked="" type="checkbox"/> Complete	<input type="checkbox"/> Insoluble	<input type="checkbox"/> Emulsifiable (or Dispersible)	<input type="checkbox"/> Slight (or Partial)	
Evaporation Rate (vs. H2O)	<input type="checkbox"/> Faster	<input checked="" type="checkbox"/> Slower	<input 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.)	180 °F.	<input type="checkbox"/> None to Boiling	Flammable Limits	N/A	Upper	Lower
Extinguishing Media	Water Spray (Fog), Dry Chemical, CO2, or Foam may be used where product is stored.					
Special Firefighting Procedures	Do not enter confined fire-spaces without protective clothing and self-contained air supply.					
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 carbon monoxide, carbon dioxide 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)	Prolonged or repeated contact of concentrated product with eyes will cause irritation and reddening. Ingestion may cause nausea, abdominal discomfort, vomiting and diarrhea and mucousal irritation.				
Signs and Symptoms of Overexposure (Chronic)	None currently known.				
Medical Conditions Aggravated by Overexposure	None currently known.				
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	Promptly drink a large quantity of water. Do NOT induce vomiting. Avoid alcohol. 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	Use with adequate ventilation to control vapor/mists below regulatory limits.
Ventilation Requirements	Normal <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other <input type="checkbox"/>
Eye Protection	Safety Glasses/Goggles
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	For large spills, eliminate all ignition sources & ventilate spill area. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Dike ahead of large spills to prevent run-off. Mop, pump or take up with sand or other inert absorbent & reclaim into containers for reuse, recycle or proper disposal.
Waste Disposal Methods	Dispose of in an approved waste facility according to Federal, State and local regulations. See label for specifics.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken In Handling and Storage	WARNING: Combustible liquid. Store in a cool, fire resistant area away from oxidizing materials. Use with adequate ventilation. Do not contaminate water, food or feed by storage or disposal. Do not reuse empty container - triple rinse & offer for reconditioning or proper disposal. See product label for complete storage and disposal instructions.
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Prepared By: LPL

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	2
REACTIVITY	0
PERSONAL PROTECTION	X

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