

National Brands, Inc.

MATERIAL SAFETY DATA SHEET

In Case of Emergency: 1-800-422-1476
For More Information: 1-800-645-8888

MSDS CODE: 271001
Product Code: 94388

<u>HAZARD RATING</u>		<u>PRODUCT RATING</u>	
0 = Least	4 = Extreme	Toxicity	= 1
1 = Slight		Fire	= 2
2 = Moderate		Reactivity	= 0
3 = High		Special	= --

MATERIAL IDENTIFICATION

TRADE NAME: **Pine Power™ Disinfectant** SYNONYMS: None
CHEMICAL FORMULA: Mixture CAS NO: None
DOT PROPER SHIPPING NAME/HAZARD CLASS/I.D. NO./PACKING GROUP:
32 oz. Consumer Commodity, ORM-D
OTHER SIZES: Flammable Liquid, N.O.S., 3, UN1993, PG III
DOT LABELING: Flammable if not exempt by 49 CFR 173.150 (b) 3 (quart and gallon exempt)
U.S. SURFACE FREIGHT CLASSIFICATION: Disinfectant NOI Not Equal to Rated Value

INGREDIENTS

MATERIAL	CAS NUMBER	%	TLV (UNITS)	HAZARD DATA
Pine Oil	8002-09-3	19.9	Not Established	ACGIH
Isopropyl alcohol	67-63-0	<15.0	400 ppm TWA 500 ppm STEL	ACGIH
Ethyl alcohol	67-17-6	<5.0	1000 ppm TWA	ACGIH

Also contains water, dye, surfactants and chelating agent. Ingredients not precisely identified are proprietary. All ingredients appear on the EPA TSCA inventory.

PRECAUTIONARY STATEMENTS

WARNING: KEEP OUT OF REACH OF CHILDREN. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. If swallowed, do not induce vomiting which may be harmful. Drink a large amount of milk or water promptly and call a physician. May cause eye damage and skin irritation.

PHYSICAL DATA

BOILING POINT: 760 mm Hg: About 212°F VAPOR PRESSURE: @20°C: About 17.5 mm Hg
SPECIFIC GRAVITY: (H₂O = 1): 0.98
VAPOR DENSITY: (air = 1): n/a SOLUBILITY IN WATER: Complete
VOLATILES BY VOLUME: @ 70°F, %: Negligible EVAPORATION RATE (Water = 1): About 1
APPEARANCE AND ODOR: A clear, amber, aqueous solution with a pine fragrance.
pH: 9.5-9.9

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FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 82°F TCC **FLAMMABILITY LIMITS IN AIR:** IPA Lel 2% Uel 12% by Vol.
EXTINGUISHING MEDIA: Use carbon dioxide or dry chemical for small fires: alcohol type foam for large fires. Dilution of burning liquid with water will extinguish
SPECIAL FIRE FIGHTING PROCEDURES: n/a
UNUSUAL FIRE AND EXPLOSION HAZARDS: May flash but generally does not continue to burn.

HEALTH HAZARD INFORMATION

HAZARD DATA: Rat LD₅₀ is 10g/kg; not toxic. Rabbit dermal LD₅₀ is greater than 2ml/kg; not toxic. This product is an eye irritant but not a primary skin irritant per FIFRA test.
EFFECTS OF OVEREXPOSURE: Swallowing or vomiting may create lung aspiration hazard. May cause eye damage and skin irritation.
EMERGENCY & FIRST AID PROCEDURES: If swallowed, drink a large amount of milk or water promptly and call a physician. If contact occurs, wash skin or eyes immediately with water. If irritation persists, call a physician.
* Tested and labeled to FIFRA requirements. Contains no listed carcinogens.

REACTIVITY DATA

STABILITY: Stable **CONDITIONS TO AVOID:** None known
INCOMPATIBILITY: None known
HAZARDOUS DECOMPOSITION PRODUCTS: Irritating gases on burning.
HAZARDOUS POLYMERIZATION: No **CONDITIONS TO AVOID:** None known

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Eliminate sources of ignition. Small spills: Absorb and wipe up or rinse away with water.
Large spills: Dike far ahead of spill and collect for later disposal.
WASTE DISPOSAL METHOD: Follow all local, state and federal regulations. Notify waste treatment plant in case of large spill.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required.
VENTILATION: Normal
PROTECTIVE GLOVES: For prolonged use.
EYE PROTECTION: Safety glasses.
OTHER PROTECTIVE MEASURES: None

PREPARED BY RESEARCH SERVICE GROUP: HARRY B. POOLE DATE: 7/01 2 OF 3

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SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Protect from freezing, but will return to original condition on thawing. OSHA Storage: Class IC Flammable Liquid. EPA Registered Product No. 65595-1-63171.

OTHER PRECAUTIONS: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste facility. Triple rinse (or equivalent). Then offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill; or incineration; or if allowed by state and local authorities, by burning. If burned stay out of smoke.

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