MATERIAL SAFETY DATA SHEET

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EMERGENCY TELEPHONE: 1-201-835-3100
(ANSWERED 24 HOURS)

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DATE: MARCH 9, 1989

I. PRODUCT IDENTIFICATION

TRADE NAME: PINE-SOL® BROAD SPECTRUM FORMULA—EPA REGISTRATION NO. 1730-62
CHEMICAL FAMILY: (MIXTURE)—PINE OIL, ISOPROPANOL, ANIONIC/NONIONIC SURFACTANTS
SYNONYMS: PINE OIL MIXTURE IN SOLUTION

II. WARNING STATEMENTS

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.
MAY CAUSE EYE IRRITATION. DO NOT GET IN EYES. AVOID CONTACT WITH FOOD.

III. HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS. NO.</th>
<th>%</th>
<th>TWA/CEILING</th>
<th>REFERENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPANOL</td>
<td>000067-63-0</td>
<td>8</td>
<td>400 ppm/800 ppm — 15 min.</td>
<td>OSHA NIOSH</td>
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IV. PHYSICAL AND CHEMICAL DATA

APPEARANCE AND ODOR: CLEAR, YELLOW LIQUID; ODOR OF PINE
BOILING POINT: NOT KNOWN
VAPOR PRESSURE: NOT KNOWN
VAPOR DENSITY: NOT KNOWN
OCTANOL/WATER PARTITION COEFF.: NOT KNOWN
SATURATION IN AIR (BY VOL.): NOT KNOWN
SOLUBILITY IN WATER: COMPLETELY DISPERSIBLE

IV. PHYSICAL AND CHEMICAL DATA

MELTING POINT: N/A
SPECIFIC GRAVITY: 0.987
Z VOLATILE (BY VOL.): NOT KNOWN
PH: 3.0 – 4.0
EVAPORATION RATE: NOT KNOWN

V. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 88°F 31°C
METHOD: CLOSED CUP
FLAMMABLE LIMITS: NOT KNOWN
AUTOIGNITION TEMP.: NOT KNOWN
DECOMPOSITION TEMP.: NOT KNOWN
FIRE EXTINGUISHING MEDIA: "ALCOHOL" FOAM, CARBON DIOXIDE, DRY CHEMICAL, OR WATER SPRAY
SPECIAL FIRE-FIGHTING PROCEDURES: USE WATER SPRAY TO KEEP CONTAINERS COOL
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

VI. REACTIVITY DATA

STABILITY: STABLE
POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NONE
CONDITIONS TO AVOID: NONE
INCOMPATIBLE MATERIALS: NO SPECIFIC INCOMPATIBILITY
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE
VII. HEALTH HAZARD INFORMATION

TOXICITY DATA; EFFECTS OF OVEREXPOSURE, EMERGENCY & FIRST AID PROCEDURES

INGESTION (SWALLOWING): ACUTE ORAL LD50, BOTH MALE AND FEMALE RATS, >5.0 gm/kg
FIRST AID: IF SWALLOWED, DO NOT INDUCE VOMITING; DRINK PROMPTLY A LARGE
QUANTITY OF MILK OR WATER. CALL PHYSICIAN.

SKIN CONTACT: ACUTE DERMAL LD50, BOTH MALE AND FEMALE RABBITS, > 2.0 gm/kg
FIRST AID: WASH AFFECTED AREA WITH WATER.

EYE CONTACT: MAY CAUSE STRONG EYE IRRITATION WHICH IS REVERSIBLE (ALKALINE PH)
FIRST AID: IN CASE OF EYE CONTACT, FLUSH PROMPTLY AND THOROUGHLY WITH WATER.
IF IRRITATION PERSISTS, CALL A PHYSICIAN.

INHALATION TOXICITY: NOT KNOWN

SPECIAL NOTES: AVOID CONTAMINATION OF FOOD

HEALTH CONDITIONS AGGRAVATED BY EXPOSURE: NONE KNOWN

INGREDIENT(S) LISTED BY NTP, OSHA, OR IARC AS CARCINOGENS: NONE LISTED

VIII. EXPOSURE CONTROL METHODS

NONE REQUIRED UNDER NORMAL CONDITIONS OF USE.

IX. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WEAR APPROPRIATE
PROTECTIVE EQUIPMENT AND CLOTHING. REMOVE SOURCES OF IGNITION. COVER WITH
SOME INERT ABSORBENT MATERIAL; SWEET UP AND PLACE IN A WASTE DISPOSAL
CONTAINER. FLUSH AREA WITH WATER.

WASTE DISPOSAL: DISPOSAL MUST BE MADE IN ACCORDANCE WITH APPLICABLE
GOVERNMENTAL REGULATIONS.

X. SPECIAL PRECAUTIONS

HANDLING AND STORAGE/OTHER: GENERAL PRECAUTIONS FOR HANDLING FLAMMABLE
LIQUIDS SUCH AS BONDING AND GROUNDING EQUIPMENT, USE OF SPARKPROOF TOOLS,
VAPOR AND/OR EXPLOSION PROOF ELECTRICAL EQUIPMENT, INERTING, ETC., MAY BE
REQUIRED BASED ON CONDITIONS OF USE.

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