

04151

MATERIAL SAFETY DATA SHEET

MANUFACTURER: AMERICAN CYANAMID COMPANY EMERGENCY TELEPHONE: 1-201-835-3100
 SHULTON PRODUCTS GROUP (ANSWERED 24 HOURS)
 697 ROUTE 46
 CLIFTON, NEW JERSEY 07015 DATE: MARCH 9, 1989
 CONTACT PERSON: W. COSCARELLI

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

<u>COMPONENT</u>	<u>CAS. NO.</u>	<u>%</u>	<u>TWA/CEILING</u>	<u>REFERENCE</u>
ISOPROPANOL	000067-63-0	8	400 ppm/800 ppm -- 15 min.	OSHA NIOSH

IV. PHYSICAL AND CHEMICAL DATA

APPEARANCE AND ODOR: CLEAR, YELLOW LIQUID; ODOR OF PINE
 BOILING POINT: NOT KNOWN MELTING POINT: N/A
 VAPOR PRESSURE: NOT KNOWN SPECIFIC GRAVITY: 0.987
 VAPOR DENSITY: NOT KNOWN % VOLATILE (BY VOL.): NOT KNOWN
 OCTANOL/WATER PARTITION COEFF.: NOT KNOWN PH: 3.0 - 4.0
 SATURATION IN AIR (BY VOL.): NOT KNOWN EVAPORATION RATE: NOT KNOWN
 SOLUBILITY IN WATER: COMPLETELY DISPERSIBLE

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; SWEEP 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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