

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: PINE GUARD DISINFECTANT
Product Use: DISINFECTANT CLEANER
Manufacturer: AVMOR LTEE.
Address: 433 STE. HELENE, MONTREAL, QC.
Telephone Number: (450) 629-3800 Fax: (450) 629-4355

Supplier: SHARE CANADA
Address: 1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7
Telephone Number: (204) 633-8553 Fax: (204) 633-8453 CANUTEC: (613) 996-6666

SECTION II - HAZARDOUS INGREDIENTS

Ingredient	CAS Number	Weight %	Exposure Limits	LD50	LC 50
Isopropyl Alcohol (99%)	67-63-0	1 – 5 %	400 ppm	3600 mg/kg (oral / mouse) Acute > 4720 mg/kg (rat)	Not established
Potassium Hydroxide	1310-58-3	1 – 5 %	2 mg/ m3 TLV-C (oral / rat) Acute	273 mg/kg 365 mg/kg(rat) 388 mg/kg (rat)	Not established
Pine Oil	8002-09-3	1 – 5 %	Not established	3200 mg/kg (oral / rat)	Not established
O-benzyl p-chorophenol	120-32-1	1– 5 %	Not established.	Not established	Not established

SECTION III - PHYSICAL DATA

Physical State: LIQUID Specific gravity: 0.9 to 1:00 pH: 11.5 – 12.5 (concentrate)
Odour and appearance: CLEAR DARK BROWN LIQUID, PINE ODOUR.
Vapour pressure (kPa @20 °C): HIGHEST KNOWN VALUE IS 4.4 kPa (ISOPROPANOL).
WEIGHTED AVERAGE 2.41 kPa
Vapour density (air = 1): 1.15
Evaporation rate (butyl acetate = 1): 2.8 % volatile by volume: 90%.
Solubility in water: EASILY SOLUBLE IN COLD WATER, HOT WATER, METHANOL. SOLUBLE IN DIETHYL ETHER. VERY SLIGHTLY SOLUBLE IN N-OCTANOL.
Boiling Point (C °): 90 ° C Freezing Point (C °): 0 ° C
Coefficient of water/oil distribution: Not available.

SECTION IV - FIRE AND EXPLOSION DATA

Flammable or combustible: YES - COMBUSTIBLE LIQUID
Flash Point and method: 47.5 ° C (CLOSED CUP)
Upper flammable limit: Not available. Lower flammable limit: Not available.
Autoignition temperature: Not available Flammability classification: COMBUSTIBLE LIQUID
Conditions of flammability: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.
Means of extinction: DRY CHEMICAL, CARBON DIOXIDE OR WATER SPRAY OR FOAM.
Hazardous combustion products: CARBON MONOXIDE, CARBON DIOXIDE AND HALOGENATED COMPOUNDS.
Sensitivity to mechanical impact: NOT SENSITIVE
Sensitivity to static discharge: NOT SENSITIVE

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SECTION V - REACTIVITY DATA

Is the product stable: **YES**

Incompatible substances: **OXIDIZING AGENTS, REDUCING AGENTS, ACIDS OR BLEACH.**

Conditions of Reactivity: **REACTIVE WITH OXIDIZING AGENTS, REDUCING AGENTS, ACIDS, BLEACH.**

Hazardous decomposition products: **CARBON MONOXIDE, CARBON DIOXIDE AND HALOGENATED COMPOUNDS.**

SECTION VI - TOXICOLOGICAL PROPERTIES

Primary routes of exposure: **SKIN AND EYE CONTACT, INHALATION AND INGESTION.**

Exposure Limits: **Not established for this product.**

Irritant: **SKIN, EYES, NOSE OR THROAT**

Carcinogen: **NO - IARC / OSHA / NTP**

Sensitizer: **YES**

Mutagen: **NO**

Reproductive effects: **ISOPROPLYL ALCOHOL PROVEN TOXIC ON INGESTION**

Synergistic products: **NONE KNOWN.**

Effects of acute exposure: **CORROSIVE TO SKIN AND EYES ON CONTACT. LIQUIDS OR MISTS MAY CAUSE TISSUE DAMAGE, PARTICULARLY ON MUCOUS MEMBRANES OF THE EYES, NOSE, MOUTH AND RESPIRATORY TRACT. Effects of chronic exposure: ISOPROPYL ALCOHOL IS KNOWN TO HAVE TARGET ORGAN EFFECTS IF INGESTED.**

SECTION VII - PREVENTION MEASURES

Gloves: RUBBER OR NEOPRENE	Respirator: USE APPROPRIATE RESPIRATOR WHERE VENTILATION IS INADEQUATE.	Eye protection: SAFETY GLASSES WITH SIDE SHIELDS.
Footwear: RUBBER BOOTS IN FIRE OR SPILL SITUATIONS.	Clothing: FULL SUIT OR PLASTIC APRON TO PREVENT SKIN CONTACT IN FIRE OR SPILL SITUATIONS	Other requirements: EYEWASH STATION AND EMERGENCY SHOWER

Engineering Controls: **PROVIDE EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS.**

Respiratory protection: **USE WITH ADEQUATE VENTILATION.**

Leak or spill procedures: **ELIMINATE ALL SOURCES OF IGNITION. ABSORB WITH AN INERT DRY MATERIAL AND PLACE IN AN APPROPRIATE WASTE DISPOSAL CONTAINER. FINISH CLEANING BY SPREADING WATER ON THE CONTAMINATED SURFACE AND DISPOSE OF ACCORDING TO LOCAL OR REGIONAL AUTHORITY REQUIREMENTS. Waste disposal: DISPOSE ACCORDING TO REGIONAL, PROVINCIAL AND FEDERAL REGULATIONS. CONSULT LOCAL OR REGIONAL AUTHORITIES. Handling and storage requirements: STORE IN A COOL, WELL-VENTILATED AREA. COMBUSTIBLE MATERIALS SHOULD BE STORED AWAY FROM EXTREME FROM HEAT AND STRONG OXIDIZING AGENTS. DO NOT BREATHE GAS, FUMES, VAPOURS OR SPRAY. AVOID CONTACT WITH THE SKIN AND EYES. KEEP AWAY FROM INCOMPATIBLE MATERIALS. KEEP AWAY FROM SOURCES OF IGNITION. WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION. KEEP OUT OF THE REACH OF CHILDREN.**

Special shipping information: **CLASS 3 (8) FLAMMABLE LIQUIDS, CORROSIVE N.O.S. (ISOPROPANOL, POTASSIUM HYDROXIDE) UN 2924 PACKING GROUP III.**

SECTION VIII - FIRST AID MEASURES

Eyes: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. SEEK MEDICAL ATTENTION. **Skin:** WASH SKIN WITH RUNNING WATER AND NON ABRASIVE SOAP. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. **Ingestion:** DO NOT INDUCE VOMITING. HAVE CONSCIOUS PERSON DRINK SEVERAL GLASSES OF WATER. GET MEDICAL ATTENTION IMMEDIATELY. **Inhalation:** ALLOW TO REST IN A WELL-VENTILATED AREA. IF DISCOMFORT PERSISTS, GET MEDICAL ATTENTION.

SECTION IX - PREPARATION DATA

Information Sources: **SUPPLIERS' MATERIAL SAFETY DATA SHEET.**

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