

MATERIAL SAFETY DATA SHEET



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TRANSPORTATION EMERGENCY
CALL HAZARD INFORMATION SERVICES.
. 1-800-228-5635 ext. 170

NON-TRANSPORTATION
OLYMPIC EMERGENCY PHONE1-800-356-4647
OLYMPIC INFORMATION PHONE1-800-659-6745

INSECTICIDAL SOAP 49.52 CF

EPA Registration Number: 36488-45-59807

SECTION I: COMPOSITION / INFORMATION on INGREDIENTS

Hazardous Ingredients(*)	% by weight	CAS No.	OSHA TWA	PEL STEL	ACGIH TWA	TLV STEL
ethyl alcohol	< 35.0	64-17-5	1900 mg/m ³	NE	1880 mg/m ³	NE
methyl alcohol	< 2.0	67-56-1	260 mg/m ³	NE	262 mg/m ³	328 mg/m ³
Potassium Salts of Fatty Acids	49.52	N/A	NE	NE	NE	NE

* all ingredients in quantities > 1.0 % (0.1 % for carcinogens or teratogens) that are potentially hazardous per OSHA definitions
N/A = not applicable NE = not established

EMERGENCY OVERVIEW

SECTION II: HAZARDS IDENTIFICATION

Physical description: Amber liquid

Odor: alcohol and lard odor

Potential Health Effects: This material may be severely irritating to both eyes and skin. Personnel responding to a spill should wear protective clothing and eye protection.

SECTION III: FIRST AID MEASURES

Skin Contact:Wash with plenty of soap and water. Get medical attention if irritation persists.

Ingestion:If swallowed, promptly drink large amounts of water. Never give liquids to an unconscious person. Get medical attention.

Eye Contact:Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

Inhalation:Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTES TO PHYSICIAN: .The range of toxicity for methanol ingestion is extremely variable. Blood levels of methanol and degree of acidemia are more indicative of risk. Visual changes have been described, and may be delayed for 12 to 24 hours. Fundoscopic findings may be normal but also may show peripapillary edema, hyperemia of the optic disc or retinal edema.

SECTION IV: FIRE FIGHTING MEASURES

Extinguishing media: . . .alcohol foam

Flashpoint:60° F TCC

Hazardous products of combustion: not determined

Autoignition temperature:not applicable

Special Fire Fighting Measures:water stream may spread fire

NFPA Ratings: Health = 2 Fire = 3 Reactivity = 0

SECTION V: ACCIDENTAL RELEASE MEASURES

Spills:Rinse with abundant water and mop up (See Disposal Comments in Section 12)

SECTION VI: HANDLING & STORAGE

Storage:Store away from heat, out of reach of children. Do not contaminate water, food, feed by storage or disposal. Do not reuse container.

SECTION VII: EXPOSURE CONTROLS & PERSONAL PROTECTIVE EQUIPMENT

Skin:Protective gloves (nitrile) recommended

Eye Protection:Recommended to avoid splashing of material directly into eyes

Respiratory:In typical applications no engineering controls should be needed; if industrial hygiene surveys show that occupational exposure limits may be exceeded, use NIOSH approved respirator with organic vapor/dust/mist cartridges.

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SECTION VIII: PHYSICAL & CHEMICAL PARAMETERS

Appearance:Amber liquid
Odor:alcohol and lard odor
Physical state:liquid
Solubility in water:nearly complete
Bulk Density:0.93
pH:10.5 - 10.7
Vapor pressure:not determined
Vapor density:not determined
Boiling point:80° C (176°F)
Freezing point:not determined

SECTION IX: STABILITY & REACTIVITY

Stability:stable
Conditions to avoid: . . .heat and open flame
Incompatibilities:concentrated mineral supplements (fertilizers), strong oxidizers, acids
Hazardous polymerization:will not occur

SECTION X: TOXICOLOGICAL INFORMATION

Oral LD₅₀ = > 5,000 mg/kg
Dermal LD₅₀ = > 2,000 mg/kg
Inhalation LC₅₀ = > 500 mg/m³
Not a contact sensitizer
Carcinogens: None listed per OSHA, NTP, or IARC.

Ethanol has been shown to be a developmental toxin from chronic ingestion; such effects are not anticipated from appropriate use of this product.

SECTION XI: ECOLOGICAL INFORMATION

Ecotoxicity:May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by cleaning of equipment or disposal of washwaters.
Environmental Fate:No data available

SECTION XII: DISPOSAL CONSIDERATIONS

Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to material as manufactured; contamination or processing may change waste characteristics and requirements.

SECTION XIII: TRANSPORT INFORMATION

DOT Hazard Description:Flammable Liquid, N.O.S., (contains Ethanol), 3, UN1993, PG III

SECTION XIV: REGULATORY INFORMATION

SARA Title III:reporting not required unless TPQ exceeded in inventory
Individual States:States such Pennsylvania, New Jersey, California, Vermont, Massachusetts and Rhode Island may all have components of this product listed; consult specific state regulatory requirements for additional information.

SECTION XV: OTHER INFORMATION

For additional information, refer to the American Conference of Governmental Industrial Hygienists (ACGIH) documentation of TLV's (Threshold Limit Values) for individual components and the DOT Emergency Response Guidebook.

This information is provided in good faith, but without express or implied warranty.