

# MATERIAL SAFETY DATA SHEET

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Page 1 of 2

<b>Product Name: M-Pede Insecticide/Fungicide</b>		<b>Contact:</b> Mycogen Corporation 5501 Oberlin Drive San Diego, CA 92121 1-800-745-7476
<b>Common Synonyms:</b>	Insecticidal Soap Concentrate	
<b>EPA Registration No.:</b>	Reg. No. 53219-6	
<b>Primary Hazards:</b>	Eye Irritant, Flammable	
<b>SECTION 1 - MATERIAL IDENTIFICATION</b>		<b>SECTION 4 - REACTIVITY</b>
<b>INGREDIENT 1</b>		Stability: Stable
Common Name:	Potassium salts of fatty acids	Hazardous Polymerization: None likely
Chemical Name:	Potassium salts of unsaturated aliphatic carboxylic acids	Materials to Avoid: Concentrated mineral supplements (fertilizers), strong oxidizing agents.
Molecular Formula:	Primarily Potassium oleate (KC <sub>18</sub> H <sub>34</sub> O <sub>2</sub> )	Hazardous Decomposition Products: Decomposition may produce carbon dioxide and carbon monoxide.
CAS Number:	10124-65-9	
Percent:	49%	
<b>INGREDIENT 2</b>		<b>SECTION 5 - HEALTH HAZARD</b>
Common Name:	Ethanol	Primary Route of Entry: Dermal
Chemical Name:	Ethyl Alcohol	Exposure Limit: Ingredient 2 contains methanol. OSHA TLV for ethanol is 1000 ppm, for methanol 200 pp.
Molecular Formula:	C <sub>2</sub> H <sub>6</sub> O	Corrosivity: Not corrosive
CAS Number:	64-17-5	Skin/Eye Irritation: Mild skin irritant, irritating to eyes
Percent:	36%	Sensitization: Not a sensitizer
<b>SECTION 2 - PHYSICAL DATA</b>		Effects of Overexposure: Prolonged or repeated exposure may be irritating to skin, eyes, and mucous membranes. Methanol can be fatal or cause blindness if swallowed in quantity; however, levels of methanol in this product are not expected to pose an ingestion hazard.
Boiling Point:	Not Determined	Toxicity: None of the components of this product are listed as carcinogenic by NTP, IARC, or OSHA
Melting Point:	Not Determined	Acute Studies:
Vapor Pressure:	Not Determined	Oral LD50 (Rat): > 5,000 mg/kg (low toxicity)
Specific Gravity:	0.93	Dermal LD50 (Rabbit): > 2,000 mg/kg (low toxicity)
Solubility in Water:	Highly Soluble	Inhalation LC50 (Rat): > 0.853 mg/L (low toxicity)
pH:	10.3	
Appearance:	Clear amber liquid	<b>SECTION 6 - FIRST AID</b>
Odor:	Lard-like odor	Emergency First Aid Procedures:
<b>SECTION 3 FIRE AND EXPLOSION DATA</b>		If Swallowed: Give demulcent (milk)
Flash Point:	16° C	If Inhaled: Remove to fresh air.
Method:	Tag open cup	If In Eyes: Flush eyes with plenty of water. See a physician if irritation persists.
Extinguishing Media:	Water, alcohol foam, dry chemical, or carbon dioxide	If On Skin: Wash affected area.
Special Fire Fighting Procedures:	This product contains 36% alcohol which contributes to its flammability. Water should be sufficient to dilute the alcohol and extinguish the flame. If difficulty occurs, use an alcohol foam, dry chemical, or CO <sub>2</sub> .	
Unusual Fire and Explosion Hazards:	Flammable liquid.	

**SECTION 7 - SPILL, LEAK AND DISPOSAL PROCEDURES**

**Steps To Be Taken In Case Material Is Released Or Spilled:**

Do not breath vapor. Do not handle in confined spaces without adequate ventilation. If inadequate use suitable respirator.  
Avoid contact with skin and eyes.

Contain leaking liquid with sand or other non-combustible absorbant and place in a clean container for disposal.

**Waste Disposal Method:**

Waste, including spills or rinsates, and leftover pesticide that cannot be used according to label instructions must be disposed of according to applicable federal, state, and local procedures.

**SECTION 8 - SPECIAL HANDLING**

Respiratory Protection:	Ensure good ventilation. Specific respiratory protection should not be necessary.
Protective Gloves:	Recommend wearing impervious gloves when repeated or prolonged exposure is likely.
Eye Protection:	Chemical safety goggles should be worn whenever there is the possibility of splashing or other contact with the eyes.

Although general guidance has been provided, the degree of protection required in a particular situation depends on factors such as concentration and duration. More detailed advice on protective devices is available from Mycogen.

**SECTION 9 - SPECIAL PRECAUTIONS**

**Precautions To Be Taken In Handling And Storing:**

Keep in original container, tightly closed in a safe place.  
Empty container completely and dispose of safely.  
Wash any contamination from skin or eyes immediately.  
Remove any heavily contaminated clothing immediately.  
Wash hands and exposed skin before eating, drinking, or smoking and after working with product. Do not use, store, spill or pour near heat or open flame.

**Environmental Hazards:**

This product may be hazardous to aquatic invertebrates. Do not apply directly to water, areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of water.

**SECTION 10 - SHIPPING REGULATIONS**

Proper Shipping Name	Ethanol Solutions
Description:	Ethanol Solutions, 3, UN 1170, PG II
DOT Label(s):	Flammable Liquid-3
Freight Classification:	Insecticides or Fungicides, Agricultural N.O.I., Other Than Poisons. NMFC 102120. Class 60.

**SARA Title III Hazard Classification:**

Immediate (acute) Health:	No
Delayed (chronic) Health:	No
Fire:	Yes
Sudden Release of Pressure:	No
Reactive:	No

**National Fire Protection Association Rating:**

Health:	1
Flammability:	3
Reactivity:	0

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