

# MATERIAL SAFETY DATA SHEET

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## M-Pede Insecticide/Fungicide

Contact:

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San Diego, CA 92121  
1-800-745-7475

Product Name:

Insecticidal Soap Concentrate  
Reg. No. 53219-6  
Eye Irritant, Flammable

Common Synonyms:

EPA Registration No.:

Primary Hazards:

### SECTION 1 - MATERIAL IDENTIFICATION

#### INGREDIENT 1

Common Name:

Chemical Name:

Molecular Formula:

CAS Number:

Percent:

Potassium salts of fatty acids  
Potassium salts of unsaturated aliphatic  
carboxylic acids  
Primarily Potassium oleate (KC<sub>18</sub>H<sub>34</sub>O<sub>2</sub>)  
10124-65-9  
49%

#### INGREDIENT 2

Common Name:

Chemical Name:

Molecular Formula:

CAS Number:

Percent:

Ethanol  
Ethyl Alcohol  
C<sub>2</sub>H<sub>6</sub>O  
64-17-5  
36%

### SECTION 2 - PHYSICAL DATA

Boiling Point:

Melting Point:

Vapor Pressure:

Specific Gravity:

Solubility in Water:

pH:

Appearance:

Odor:

Not Determined  
Not Determined  
Not Determined  
0.93  
Highly Soluble  
10.3  
Clear amber liquid  
Lard-like odor

### SECTION 3 FIRE AND EXPLOSION DATA

Flash Point:

Method:

Extinguishing Media:

16°C

Tag open cup

Water, alcohol foam, dry chemical, or  
carbon dioxide

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 4 - REACTIVITY

Stability:

Hazardous Polymerization:

Materials to Avoid:

Hazardous Decomposition Products:

Stable  
None likely  
Concentrated mineral supplements  
(fertilizers), strong oxidizing agents.  
Decomposition may produce carbon  
dioxide and carbon monoxide.

### SECTION 5 - HEALTH HAZARD

Primary Route of Entry:

Exposure Limit:

Corrosivity:

Skin/Eye Irritation:

Sensitization:

Effects of Overexposure:

Dermal  
Ingredient 2 contains methanol. OSHA  
TLV for ethanol is 1000 ppm, for methanol  
200 pp.  
Not corrosive  
Mild skin irritant, irritating to eyes  
Not a sensitizer  
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.

Toxicity:

None of the components of this product are listed as carcinogenic by  
NTP, IARC, or OSHA

Acute Studies:

Oral LD50 (Rat):

Dermal LD50 (Rabbit):

Inhalation LC50 (Rat):

> 5,000 mg/kg (low toxicity)  
> 2,000 mg/kg (low toxicity)  
> 0.853 mg/L (low toxicity)

### SECTION 6 - FIRST AID

Emergency First Aid Procedures:

If Swallowed:

If Inhaled:

If In Eyes:

If On Skin:

Give demulcent (milk)  
Remove to fresh air.  
Flush eyes with plenty of water. See a  
physician if irritation persists.  
Wash affected area.

**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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