MATERIAL SAFETY DATA SHEET

Revision Date: November 12, 1991

Product Name:	**M-Pede Insecticide**	Contact:	Mycogen Corporation 5451 Oberlin Drive San Diego, CA 92121 1-800-745-7476
Common Synonyms:	Insecticidal Soap, Safer Insecticide Concentrate		
EPA Registration No.:	53219-6		
Primary Hazards:	Flammable, Eye Irritant	Emergency Telephone:	1-800-228-5635

SECTION 1 - MATERIAL IDENTIFICATION

INGREDIENT 1

Common Name:	Potassium salts of fatty acids
Chemical Name:	Potassium salts of unsaturated and saturated aliphatic carboxylic acids
Molecular Formula:	Trade Secret
CAS Number:	Trade Secret
Percent:	49%

INGREDIENT 2

Common Name:	Ethanol
Chemical Name:	Ethyl Alcohol
Molecular Formula:	C_2H_6O
CAS Number:	64-17-5
Percent:	30%

SECTION 2 - PHYSICAL DATA

Boiling Point:	Not Applicable
Melting Point:	Not Applicable
Vapor Pressure:	Not Applicable
Specific Gravity:	0.93
Solubility in Water:	Highly soluble
pH:	10.3
Appearance:	Amber liquid
Odor:	Lard-like odor

SECTION 3 FIRE AND EXPLOSION DATA

Flash Point:	33°C
Method:	Tag open cup
Extinguishing Media:	Water, alcohol foam, dry chemical, or carbon dioxide.
Special Fire Fighting Procedures:	This product contains 30% 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_2
Unusual Fire and Explosion Hazards:	Flammable liquid

SECTION 4 - REACTIVITY

Stability:	Stable
Hazardous Poly-merization	None Likely
Materials to Avoid:	Concentrated mineral supplements (fertilizers), strong oxidizing agents
Hazardous Decomposition Products:	Decomposition may produce carbon dioxide

SECTION 5 - HEALTH HAZARD

Primary Route of Entry:	Dermal
Exposure Limit:	OSHA TLV for Ingredient 2 is 1000 ppm
Corrosivity:	Not corrosive
Skin/Eye Irritation:	Mildly irritating to skin, irritating to eyes
Sensitization:	Not a sensitizer
Effects of Overexposure:	Prolonged or repeated exposure may be irritating to skin, eyes, and mucous membranes.

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

Acute Studies:

Oral LD50 (Rat):	16,900 mg/kg (low toxicity)
Dermal LD50 (Rabbit):	> 5000 mg/kg (low toxicity)
Inhalation LC50 (Rat):	>0.853 mg/L (low toxicity)

SECTION 6 - FIRST AID

Emergency First Aid Procedures:

If Swallowed:	Give demulcent (milk).
If Inhaled:	Remove to fresh air.
If In Eyes:	Flush eyes with plenty of water. See a physician if irritation persists.
If On Skin:	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 noncombustible material and place in 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:

Do not apply to lakes, streams or ponds.

SECTION 10 - SHIPPING REGULATIONS

DOT Shipping Name:	Insecticides or Fungicides, N.O.I., Other Than Poisons.
DOT Hazard Class/ I.D. No.:	Ethanol Solutions, UN1170
DOT Label(s):	Flammable liquid
Freight Classification:	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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