

# MATERIAL SAFETY DATA SHEET

Revision Date: June 10, 1998

Product Name:	<b>Scythe® Herbicide</b>	Contact:	<b>Mycogen Corporation</b>
Common Synonyms:	Scythe		<b>5501 Oberlin Drive</b>
Mycogen Code:	MYX 6121		<b>San Diego, CA 92121</b>
U.S. EPA Registration Number:	53219 - 7		<b>1-800-745-7476</b>
Primary Hazards:	Eye and Skin Irritant	Emergency Telephone:	<b>1-800-228-5635</b>

## SECTION 1 - MATERIAL IDENTIFICATION

### INGREDIENT 1

Common Name: Pelargononic acid  
 Chemical Name: Nonanoic acid  
 Molecular Formula: C<sub>9</sub>H<sub>18</sub>O<sub>2</sub>  
 CAS Number: 112-05-0  
 Percent: 57%

### INGREDIENT 2

Common Name: Paraffinic petroleum oil  
 Chemical Name:  
 Molecular Formula:  
 CAS Number: 64741-88-4  
 Percent: 30%

## SECTION 2 - PHYSICAL DATA

Appearance: Colorless to faint yellow liquid  
 Odor: Wax-like odor  
 Boiling Point: 230 - 237°C (atmospheric pressure)  
 Melting Point: 12.5°C  
 Vapor Pressure: 20 mm Hg @ 153°C  
 Specific Gravity: 0.900  
 Solubility in Water: Emulsifiable in water  
 pH: 3.75 (1% solution in distilled water)

## SECTION 3 FIRE AND EXPLOSION DATA

Flash Point: >200°F (not flammable)  
 Method: Pensky Martin closed cup  
 Extinguishing Media: Use water spray, dry chemical, foam or carbon dioxide.  
 Special Fire Fighting Procedures: Wear self-contained breathing apparatus when fire fighting in confined area.  
 Unusual Fire and Explosion Hazards: Foam or water can cause frothing.

## SECTION 4 - REACTIVITY

Stability: Stable  
 Hazardous Polymerization: None likely  
 Materials to Avoid: Oxidizing agents  
 Hazardous Decomposition Products: Decomposition may produce carbon dioxide and carbon monoxide.

## SECTION 5 - HEALTH HAZARD

Primary Route of Entry: Dermal, Inhalation  
 Exposure Limit: TLV: 5 mg/m<sup>3</sup> (Ingredient 2).  
 Corrosivity: Not corrosive to metal, rubber or fiberglass. May potentially degrade concrete and loosen paint from painted metal surfaces.  
 Skin/Eye Irritation: Moderate skin and eye irritant  
 Sensitization: Not tested  
 Effects of Overexposure: Prolonged or repeated exposure may be irritating to skin, eyes, and mucous membranes.  
 Toxicity:  
 Dermal LD50 (Rabbit) > 2000 mg/kg (low toxicity)  
 Inhalation LC50 (Rat) > 5.29 mg/L (4 hour) (low toxicity)  
 Dermal Irritation (Rat) Moderately Irritating  
 Eye Irritation (Rabbit) Severely Irritating  
 Skin Sensitization (G. Pig) Not sensitizing

## SECTION 6 - FIRST AID

Emergency First Aid Procedures:  
 If swallowed: Call a doctor or get medical attention. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, eggwhites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.  
 If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.  
 If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention if irritation persists.  
 Note to Physician: Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

**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, earth or other 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**

- Clothing: Wear long-sleeved shirt and long pants, and shoes plus socks.
- Respiratory Protection: Ensure good ventilation. Specific respiratory protection should not be necessary.
- Protective Gloves: Wear chemical resistant gloves such as Barrier Laminate, nitrile rubber or neoprene rubber.
- Eye Protection: Protective eyewear such as chemical safety goggles should be worn.

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.

Environmental Hazards:

Do not apply directly to water or wetlands. Do not contaminate water by disposal of equipment washwaters.

**SECTION 10 - SHIPPING REGULATIONS**

- DOT Shipping Name: None
- DOT Hazard Class/ I.D. No.: None
- DOT Label(s): None
- Freight Classification: Compounds, Tree or Weed

Killing, Herbicides, N.O.I. NMFC 50320. Class 60

SARA Title III Hazard Classification:

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

National Fire Protection Association Rating:

- Health: 1
- Flammability: 1
- Reactivity: 0

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