

MATERIAL SAFETY DATA SHEET

Revision Date: June 5, 1998

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Product Name:	Scythe® Herbicide	Contact:	Mycogen Corporation 5501 Oberlin Drive San Diego, CA 92121 1-800-745-7475
Mycogen Code:	MYX 6121		
EPA Registration No.:	53219-7		
Primary Hazards:	Skin and Eye Irritant	Emergency Telephone:	1-800-228-5635
SECTION 1 - MATERIAL IDENTIFICATION		SECTION 3 FIRE AND EXPLOSION DATA (Cont)	
INGREDIENT 1		Special Fire Fighting Procedures:	Wear self-contained breathing apparatus when fire fighting in confined area.
Common Name:	Pelargonic Acid	Unusual Fire and Explosion Hazards:	Foam or Water can cause frothing.
Chemical Name:	Nonanoic Acid		
Molecular Formula:	C ₉ H ₁₈ O ₂		
CAS Number:	112-05-0		
Percent:	57%		
INGREDIENT 2		SECTION 4 - REACTIVITY	
Common Name:	Paraffinic petroleum oil	Stability:	Stable
Chemical Name:	Non Applicable (mixture)	Hazardous Poly-merization:	None likely.
Molecular Formula:	Non Applicable (mixture)	Materials to Avoid:	Oxidizing agents.
CAS Number:	64741-88-4	Hazardous Decomposition Products:	Decomposition may produce carbon dioxide and carbon monoxide.
Percent:	30%		
INGREDIENT 3		SECTION 5 - HEALTH HAZARD	
Common Name:	Emulsifiers and other short chain fatty acids	Primary Route of Entry:	Dermal, Inhalation.
Chemical Name:	Trade Secret	Exposure Limit:	TLV: 5 mg/m ³ (Ingredient 2).
Molecular Formula:	Trade Secret	Corrosivity:	Not Corrosive.
CAS Number:	Trade Secret	Skin/Eye Irritation:	Moderate skin, severe eye irritant
Percent:	13%	Sensitization:	Not a sensitizer.
SECTION 2 - PHYSICAL DATA		Effects of Overexposure:	Prolonged or repeated exposure may be irritating to skin, eyes, and mucous membranes. Highly irritating to eyes.
Boiling Point:	230 - 237°C (atmospheric pressure)	Toxicity:	None of the components of this product are listed as carcinogenic by NTP, IARC, or OSHA
Melting Point:	12.5°C		
Vapor Pressure:	20 mm Hg @ 153°C		
Specific Gravity:	0.900		
Solubility in Water:	Emulsifiable in water		
Appearance:	Colorless to faint yellow liquid		
Odor:	Wax-like odor		
pH:	3.75 (1% solution in distilled water)		
SECTION 3 FIRE AND EXPLOSION DATA		Acute Studies	
Flash Point:	>200°F	Oral LD50 (Rat):	> 5000 mg/kg (low toxicity)
Method:	Pensky Martine Closed Cup	Dermal LD50 (Rabbit):	> 2000 mg/kg (low toxicity)
Extinguishing Media:	Use water spray, dry chemical, foam or carbon dioxide.	Inhalation LC50 (Rat):	> 5.29 mg/L (4 hour) (low toxicity)

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 absorbent 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:

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

SECTION 10 - SHIPPING REGULATIONS

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|-----------------------------|--|
| 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: | Yes |
| Delayed (chronic) Health: | No |
| Fire: | No |
| Sudden Release of Pressure: | No |
| Reactive: | No |

National Fire Protection Association Rating:

- | | |
|---------------|---|
| Health: | 2 |
| Flammability: | 1 |
| Reactivity: | 0 |

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