

Material Safety Data Sheet

Effective Date: 04-AUG-2014  
Product: SINISTER

I. IDENTIFICATION

Chemical Name: Fomesafen  
Chemical Family: Contact Broadleaf Herbicide  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: 72178-02-0 (fomesafen)  
EPA Number: 5905-593

II. PHYSICAL DATA

Boiling Point: Not determined  
Freezing Point: Not determined  
Spec Gravity: 1.197 g/ml  
Vapor Pressure: Not determined  
Vapor Density: Not determined  
Solubility: Not applicable  
Volatiles: Not determined  
Evaporation: Not determined  
Melting Point: Not applicable  
Appearance: Clear, dark amber liquid.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Fomesafen: 5-[2-chloro-4-(trifluoromethyl) phenoxy]-N-(methylsulfonyl)-2-nitrobenzamide	72178-02-0	28.65	N/E	Skin & eye irritant.
Proprietary blend of aliphatic glycols, defoaming agent and formulation aids.		71.35	N/E	Skin irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Not determined  
Autoignition Temp: Not determined  
Flammable Limit: Not determined  
Extinguishing Media: Use dry chemical, foam or carbon dioxide extinguishing agents.  
Special Fire Fight Proc: Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area. Prevent use of contaminated buildings, area and

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equipment.  
Fire and Expl Hazard: Irritating and possibly toxic fumes may be generated by thermal decomposition or combustion.

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V. HEALTH HAZARD

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Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

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Swallowing: Acute Oral LD50 > 5,000 mg/kg. Harmful if swallowed.  
Skin Absorption: Acute Dermal LD50 > 5,000 mg/kg.  
Inhalation: Acute Inhalation LC50 > 2.0 mg/L.  
Skin contact: May cause skin irritation after direct contact.  
Eye Contact: Causes substantial but temporary eye injury after direct contact.  
Chronic Effects: No data available for chronic studies for this exact formulation.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

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Swallowing: Call a poison control center or doctor immediately for treatment advice. Sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person.  
Skin: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.  
Inhalation: Move to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center for further treatment advice.  
Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control center or doctor for treatment advice.  
Notes to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. There is no specific

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antidote if this product is ingested. Treat symptomatically.

VI. REACTIVITY

Stability: Stable  
Conditions to Avoid: None currently known.  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.  
Incompatibility material: Avoid contact with strong acids and strong alkalis.  
Hazardous Combustion: None known.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Control the spill at its source. Contain the spill to prevent spreading or contaminating soil or from entering sewers, drainage systems or any bodies of water. Clean up spills immediately, observing precautions to prevent exposure. Cover entire spill with absorbent material and place in compatible disposal containers. Scrub area with hard water detergent. Collect wash water with additional absorbent and place into disposal containers.  
Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: Use NIOSH-certified respirator with N, R, P or HE filter when responding to spills. None needed under normal use conditions.  
Ventilation: General and/or local exhaust should be sufficient.  
Gloves: Chemical-resistant gloves.  
Eyes: Splashproof goggles.  
Other: Eyewash station, emergency shower, long-sleeved shirt and long pants, socks and shoes.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store

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with food, feed or other material to be used  
or consumed by humans or animals. Store in  
well-ventilated, secure area.

Other precaution: Wash thoroughly with soap and water after  
handling.

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X. SHIPPING INFORMATION  
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Shipping name: Not regulated by DOT, IATA or IMDG.  
Hazard Class: None  
Identification No: None  
Labels Required: None required  
Placarding: None  
Freight Class: Pesticides, NOI, Herbicides, Other than Poison  
(NMFC Item 155050, Sub 11, Class 70)

Chemical Name Equivalent R.Q.

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Not applicable Not applicable  
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XI. GENERAL PRODUCT INFORMATION  
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National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2 Fire: 1 Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y Delayed (Chronic) Health: Y  
Sudden Release of pressure: N Fire: N  
Reactive: N

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