



Safety Data Sheet

Report Date 19-Jul-21

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1. Identification

Product Name : SINISTER INTENT
Synonyms : None
Product Use : S-Metolachlor and Fomesafen Herbicide blend
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Warning
Skin Irritation : Causes mild skin irritation
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : LD50 (s-metolachlor) = 2,672 mg/kg (female rat)
Acute Toxicity Dermal : LD50 (s-metolachlor) > 2,700 mg/kg (rabbit)
Hazard Categories : Oral/Dermal/Inhalation/Reproductive Toxicity-5/5/4/2; Eye/Skin Irritation-2B/3; Skin Sensitizer-1B; STOT-Repeated-2
Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Harmful if inhaled
Causes eye irritation
Causes mild skin irritation
Suspected of damaging fertility or the unborn child
May cause damage to organs (kidneys) through prolonged or repeated exposure

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
s-Metolachlor	87392-12-9	45.85
Fomesafen	72178-02-0	10.04
Other ingredients	Proprietary	44.11



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4. First Aid Measures

- Eye** : Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- Skin** : Take off 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 person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
- Ingestion** : Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- Indication of Immediate Medical Attention and Special Treatment Needed** : There is no specific antidote if this product is ingested. Treat symptomatically.

5. Fire Fighting Measures

- Extinguishing Media** : Use dry chemical, foam or carbon dioxide extinguishing agents. If water is used to fight fire, dike and collect runoff.
- Specific Hazards Arising from the Chemical** : During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Control the spill at its source. Contain spill to prevent spreading to or contaminating soil, or from entering sewers, drains or any body of water.
- Methods and Materials for Containment and Cleanup** : Cover entire liquid spill with absorbent material, then collect and place in compatible disposal containers. Scrub area with hard water detergent, (e.g., a commercial product such as Tide). Pick up wash water with additional absorbent and place into chemical disposal container. Once all material is cleaned up and placed in disposal containers, seal the containers and make arrangements for disposal.

7. Handling and Storage



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Precautions for Safe Handling : Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Conditions for Safe Storage : Store in a well-ventilated, secure area out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area.

8. Exposure Controls / Personal Protection

TLV/PEL : No TLV or PEL established for fomesafen or s-Metolachlor, the 2 active ingredients.

Appropriate Engineering Controls : General and/or local exhaust should be sufficient.

Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : Clear, dark amber liquid; no odor specified.

Flash Point, °F : Not flammable

Boiling Point, °F : No information for mixture

Melting Point(Freezing point), °C : No information for mixture

Vapor Pressure, mm Hg @ 20 °C : No information for mixture

Vapor Density : No information for mixture

Solubility in Water : Emulsifies

Molecular Formula : Not applicable, formulated mixture.

Density, g/mL @ 25 °C : 1.135

Evaporation Rate(Butyl Acetate = 1) : No information for mixture

Octanol/Water Partition Coefficient : No information for mixture

pH : 7.0 (2% in water)

Flammable Limits (approximate volume % in air) : No information for mixture

Auto-ignition Temperature : No information found

Decomposition temperature : No information for mixture

10. Stability and Reactivity

Reactivity : No information for mixture

Chemical Stability : Stable

Hazardous Decomposition Products : No information for mixture

Hazardous Polymerization : Will not occur



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Conditions to Avoid : No information for mixture
Incompatible Materials : No information for mixture

11. Toxicological Information

Acute Toxicity (Oral LD50) : 2,672 mg/kg (female rat), s-metolachlor. May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : >2,000 mg/kg (rabbit), s-metolachlor. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : >2.9 mg/L/4 hours (rat), 2-metolachlor. Harmful if inhaled.
Likely Routes of Exposure : Eyes
Skin Irritation : Causes mild skin irritation.
Eye Irritation : Causes eye irritation.
Skin Sensitization : May cause an allergic skin reaction. Sensitizing (guinea pig), s-metolachlor.
Carcinogenic : Not listed. S-metolachlor caused benign liver tumors (female rats) at high dose levels.
Chronic Effects : Specific Target Organ Toxicity (STOT), Repeated Exposure: May cause damage to organs (kidneys) through prolonged or repeated exposure (if swallowed). (>1.0% diethylene glycol)
Other Hazards : Reproductive Toxicity: Suspected of damaging fertility or the unborn child. (>0.1% methyl carbitol). CA Proposition 65 Warnings: No listed ingredients appear on the CA Proposition 65 Warnings listing.

12. Ecological Information

Ecotoxicity : No information found
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
Other Adverse Effects : No information found

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name : Not regulated by DOT for ground transport.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None



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Environmental Hazards : Not a Marine Pollutant per Appendix B to 49 CFR 172.101. Marine Pollutant per IATA (air) and IMDG (water).
Transport in Bulk : No information found
Special Precautions for Transportation : If shipped by air (IATA) or water (IMDG), ship as: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (s-Metolachlor), 9, PG III, Marine Pollutant
Freight Classification : Pesticides, NOI, Herbicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information

National Fire Protection Association Rating

Health: 2 Fire: 0 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

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

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

FIFRA Information : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Registration Number : 5905-603

FIFRA Signal Word : Warning

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : Causes substantial but temporary eye injury. Do not get in eyes or on clothing.

FIFRA Label Statement : Wear appropriate protective eyewear (goggles, face shield, or safety glasses).

FIFRA Label Statement : Wash thoroughly with soap and water after handling and

FIFRA Label Statement : before eating, drinking, chewing gum, using tobacco, or using the toilet.

FIFRA Label Statement : Remove and wash contaminated clothing before reuse.

FIFRA Label Statement : Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

16. Other Information

Data of Preparation/Revision : 19-July-2021