



Safety Data Sheet

Report
Date 09-Feb-21

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1. Identification

Product Name : ANTARES COMPLETE
Synonyms : None
Product Use : Metribuzin+Sulfentrazone+S-Metolachlor
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 skin irritation
Eye Irritation : Causes serious eye irritation
Acute Toxicity Oral : No LD50 data available for mixture
Acute Toxicity Dermal : No LD50 data available for mixture

Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/4; Eye/Skin Irritation-2A/2; Skin Sensitizer-1B; STOT, Single-3

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Harmful if inhaled
Causes serious eye irritation
Causes skin irritation
May cause an allergic skin reaction
May cause respiratory irritation

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Metribuzin	21087-64-9	11.30
Sulfentrazone	122836-35-5	4.66
s-Metolachlor	87392-12-9	52.67
Formulation aids	Proprietary	31.37

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 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 if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed : There is no specific antidote if this product is ingested. Treat symptomatically.



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5. Fire Fighting Measures

- Extinguishing Media** : Use dry chemical, foam or carbon dioxide extinguishing media. If water is used, dike and collect runoff.
- Specific Hazards Arising from the Chemical** : None known
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

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. Use NIOSH-approved respirator with organic vapor cartridge; use SCBA if exposure levels are unknown or if air-purifying respirators are inadequate. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Control the spill at its source. Contain the spill to prevent spreading or contaminating soil or from entering sewage and drainage systems or any body of water.
- Methods and Materials for Containment and Cleanup** : Cover entire spill with absorbing material, collect and place into compatible disposal container. Scrub area with hard water detergent (e.g., Tide, Joy or Spic and Span). Pick up wash liquid with additional absorbent and place into compatible container.

7. Handling and Storage

- Precautions for Safe Handling** : Prevent eating, drinking, tobacco use or 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 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 information for mixture
- Appropriate Engineering Controls** : General and/or local exhaust ventilation should be sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator with organic vapor cartridge. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Slightly hazy amber liquid; no odor specified.
- Flash Point, °F** : >200 Degrees F.
- 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** : No information for mixture
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.06-1.08
- Evaporation Rate(Butyl Acetate = 1)** : No information for mixture



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Octanol/Water Partition Coefficient : No information for mixture
pH : 4.8-6.0 (1%)
Flammable Limits (approximate volume % in air) : No information for mixture
Auto-ignition Temperature : Not known for mixture.
Decomposition temperature : No information for mixture

10. Stability and Reactivity

Reactivity : Not reactive
Chemical Stability : Stable
Hazardous Decomposition Products : Thermal decomposition include nitrous oxides, carbon monoxide, carbon dioxide, hydrogen chloride and hydrogen fluoride.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid high temperatures, open flames, ignition sources.
Incompatible Materials : Avoid contact with strong oxidizing agents and strong acids.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No LD50 data for mixture. LD50 (S-metolachlor) = 2,672 mg/kg (rat). May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : No LD50 for mixture. LD50 (S-metolachlor) >2,000 mg/kg(rabbit). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No LC50 for mixture. LC50 (disubstituted amide inert) = 3.55 mg/L. Harmful if inhaled.
Likely Routes of Exposure : Inhalation, skin, eye, ingestion
Skin Irritation : Causes skin irritation.
Eye Irritation : Causes serious eye irritation.
Skin Sensitization : May cause an allergic skin reaction.
Carcinogenic : Not listed by IARC, NTP or OSHA. Contains <0.1% naphthalene.
Chronic Effects : No information found
Other Hazards : Specific Target Organ Toxicity, Single Exposure: May cause respiratory irritation.

12. Ecological Information

Ecotoxicity : Classified as a Category 2 Acute Aquatic Toxicity hazard. Toxic to aquatic life. No hazard statement or pictogram required by OSHA (US).
Persistence and Degradability : No information found for this mixture.
Bioaccumulative Potential : No information found for this mixture.
Mobility in Soil : No information found for this mixture.
Other Adverse Effects : No information found for this mixture.

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



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UN Proper Shipping Name : Not regulated by DOT for ground transportation. If shipped by air (IATA) or water (IMDG), classified as Marine Pollutant.

Transport Hazard Class : None

UN Identification Number : None

Packaging Group : None

Environmental Hazards : Not listed as a Marine Pollutant on Appendix B to 49 CFR 172.101. Classified as a Marine Pollutant if shipped by air (IATA) or water (IMDG).

Transport in Bulk : None

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: 1 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: N
Sudden Release of Pressure: N
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 : 5905-623

FIFRA Signal Word : Warning

FIFRA Label Statement : Causes substantial but temporary eye injury.

FIFRA Label Statement : Harmful if swallowed or inhaled.

FIFRA Label Statement : Do not get in eyes or on clothing. Avoid breathing spray mist.

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

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.

16. Other Information

Data of Preparation/Revision : 09-February-2021