



Safety Data Sheet

Report Date 23-Jan-18

Page 1 of 5

1. Identification

Product Name : ANTARES PRIME
Synonyms : None
Product Use : Sulfentrazone + Cloransulam-methyl Herbicide
Manufacturer/Supplier : Helena Chemical Company
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 : Slightly irritating
Eye Irritation : Causes moderate eye irritation
Acute Toxicity Oral : LD50 1,030 mg/kg (rat)
Acute Toxicity Dermal : LD50 >5,000 mg/kg (rat)
Hazard Categories : Oral Toxicity-4; Aquatic Toxicity-3
Hazard Statement : Harmful if swallowed
Harmful to aquatic life

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Sulfentrazone	122836-35-5	39.6
Cloransulam-methyl	147150-35-4	3.96
Proprietary formulation aids	Proprietary	56.44

4. First Aid Measures

Eye : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, call a doctor or poison control center.
Skin : Wash with plenty of water. Call a poison control center or doctor if you feel unwell. Immediately take off contaminated clothing and wash before reuse.



Safety Data Sheet

Report Date 23-Jan-18

Page 2 of 5

- 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. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth if unconscious.
- Indication of Immediate Medical Attention and Special Treatment Needed** : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

- Extinguishing Media** : Use water fog, foam, dry chemical or carbon dioxide.
- Specific Hazards Arising from the Chemical** : Emits oxides of carbon and nitrogen and sulfur, hydrogen chloride, hydrogen fluoride and halogen derivatives.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective equipment. Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Use as little water as possible and use spray or fog to prevent runoff.

6. Accidental Release Measures

- Personal Precautions** : Isolate the hazard area and keep unnecessary and unprotected personnel from entering spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, long-sleeved shirt and long pants, shoes plus socks. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Clean up spills immediately. Keep the spill out of all sewers and open bodies of water.
- Methods and Materials for Containment and Cleanup** : Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Conditions for Safe Storage** : Store product in original container only, away from other pesticides, fertilizer, food or feed. Do not contaminate water, food or feed by storage, handling or disposal.

8. Exposure Controls / Personal Protection

TLV/PEL : No information found



Safety Data Sheet

Report Date 23-Jan-18

Page 3 of 5

- Appropriate Engineering Controls** : Good general ventilation should be sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, long-sleeved shirt and long pants, shoes plus socks. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Off-white opaque liquid; mild sweet odor.
- Flash Point, °F** : Not determined
- Boiling Point, °F** : No information found
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : No information found
- Vapor Density** : No information found
- Solubility in Water** : No information found
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.21
- Evaporation Rate(Butyl Acetate = 1)** : No information found
- Octanol/Water Partition Coefficient** : No information found
- pH** : 4.34 (1%)
- Flammable Limits (approximate volume % in air)** : Not determined
- Auto-ignition Temperature** : No information found
- Decomposition temperature** : No information found

10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable
- Hazardous Decomposition Products** : Thermal decomposition may yield oxides of carbon and nitrogen and sulfur, hydrogen chloride, hydrogen fluoride and halogen derivatives.
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : None known
- Incompatible Materials** : Oxidizing and reducing agents.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : 1,030 mg/kg (rat). Harmful if swallowed.
- Acute Toxicity (Dermal LD50)** : >5,000 mg/kg (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Acute Toxicity Inhalation LC50** : >2.08 mg/L (4 hour) (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).



Safety Data Sheet

Report Date 23-Jan-18

Page 4 of 5

- Likely Routes of Exposure** : Ingestion
- Skin Irritation** : Non-irritating. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Eye Irritation** : Minimally irritating. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Skin Sensitization** : Not a contact sensitizer.
- Carcinogenic** : Not listed by ACGIH, IARC, NTP or OSHA.
- Chronic Effects** : No evidence of mutagenic effects during in vivo and in vitro assays. Not known to cause reproductive or birth defects at normal exposure levels.
- Other Hazards** : No information found

12. Ecological Information

- Ecotoxicity** : Toxic to marine/estuarine invertebrates. Drift and runoff may be hazardous to terrestrial and aquatic plants in neighboring areas.
- Persistence and Degradability** : No information found
- Bioaccumulative Potential** : No information found
- Mobility in Soil** : This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. May cause groundwater contamination if used where soils are permeable, particularly where the water table is shallow.
- Other Adverse Effects** : Sulfentrazone can contaminate surface water through spray drift. May have high potential for runoff into surface water for many months post-application.

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.
- Transport Hazard Class** : None
- UN Identification Number** : None
- Packaging Group** : None
- Environmental Hazards** : May be a Marine Pollutant under international standards. Not on Appendix B to 49 CFR 172.101.
- Transport in Bulk** : No information found
- Special Precautions for Transportation** : No information found
- Freight Classification** : Pesticides, NOI, Herbicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information



Safety Data Sheet

Report Date 23-Jan-18

Page 5 of 5

National Fire Protection Association Rating :

Health: 1 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 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 : 82534-10-5905

FIFRA Signal Word : Caution

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : Harmful if swallowed.

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

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

FIFRA Label Statement : No additional label statements.

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16. Other Information

Data of Preparation/Revision : 23-January-2018