



# Safety Data Sheet

Report Date 29-Aug-17

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## 1. Identification

**Product Name** : PROVONIS  
**Synonyms** : None  
**Product Use** : 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** : Causes mild skin irritation  
**Eye Irritation** : Causes serious eye irritation  
**Acute Toxicity Oral** : May be harmful if swallowed  
**Acute Toxicity Dermal** : May be harmful in contact with skin

**Hazard Categories** : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-2A/3

**Hazard Statement** : May be harmful if swallowed  
May be harmful in contact with skin  
May be harmful if inhaled  
Causes serious eye irritation  
Causes mild skin irritation

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Cloransulam-methyl: Chemical Name: N-(2-carboxymethyl-6-chlorophenyl)-5-ethoxy-7-fluoro-(1,2,4)-triazolo[1,5c]-pyrimidine-2-sulfonamide	147150-35-4	21.7
Proprietary formulation aids	Proprietary	78.3

## 4. First Aid Measures

**Eye** : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further 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. Rinse mouth with water. Do not induce vomiting. 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.



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### 5. Fire Fighting Measures

- Extinguishing Media** : Use water fog, foam, dry chemical or carbon dioxide extinguishing agents. Foam or dry chemical extinguishing systems are preferred to prevent environmental damage due to runoff.
- Specific Hazards Arising from the Chemical** : Hazardous combustion products include nitrogen oxides 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. Dike and collect water used to fight fire to prevent environmental damage.

### 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** : 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, such as sand or earth. 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. Do not contaminate water, food or feed by storage or disposal.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No information found
- 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** : Off-white, opaque liquid; moderate sweet odor.
- Flash Point, °F** : No information for mixture
- 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** : 184 mg/L @ 20 Degrees C.
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.103
- Evaporation Rate(Butyl Acetate = 1)** : No information for mixture
- Octanol/Water Partition Coefficient** : No information for mixture



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pH : 4.95 (1%)  
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 found  
Chemical Stability : Stable  
Hazardous Decomposition Products : Thermal decomposition may yield nitrogen oxides and halogen derivatives.  
Hazardous Polymerization : Will not occur  
Conditions to Avoid : Extremes of temperature and direct sunlight. Product cannot ignite due to static electricity.  
Incompatible Materials : Strong oxidizing agents, copper, copper alloys, aluminum.

### 11. Toxicological Information

Acute Toxicity (Oral LD50) : No LD50 for mixture determined. May be harmful if swallowed.  
Acute Toxicity (Dermal LD50) : No LD50 for mixture determined. May be harmful in contact with skin.  
Acute Toxicity Inhalation LC50 : No LC50 for mixture determined. May be harmful if inhaled.  
Likely Routes of Exposure : Skin, eyes  
Skin Irritation : Causes mild skin irritation.  
Eye Irritation : Causes serious eye irritation.  
Skin Sensitization : Not a contact sensitizer.  
Carcinogenic : Not listed by ACGIH, IARC, NTP or OSHA.  
Chronic Effects : No information found  
Other Hazards : CA Prop 65 Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (ethylene oxide).

### 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, IATA or IMDG.  
Transport Hazard Class : None  
UN Identification Number : None  
Packaging Group : None



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**Environmental Hazards** : No information found  
**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

**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** : 82534-6-5905

**FIFRA Signal Word** : Caution

**FIFRA Label Statement** : Keep out of reach of children.

**FIFRA Label Statement** : No additional precautionary statements for Hazards to Humans and Domestic Animals.

**FIFRA Label Statement** :

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**FIFRA Label Statement** :

## 16. Other Information

**Data of Preparation/Revision** : 29-August-2017