

## MATERIAL SAFETY DATA SHEET

### Section 1. Chemical Product and Company Identification

Product Name: Volta™ Extra

EPA Reg. No.: 83100-24-83979

Distributor: Rotam North America, Inc.  
4900 Koger Blvd., Suite 140  
Greensboro, NC 27407

PHONE: 1-(866) 927-6826 (toll free); 1-336-346-8802

Emergency Contacts: CHEMTREC: 800-424-9300  
National Poison Information Center: 800-222-1222

#### Chemical Name of Active Ingredients:

Methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-2-thiophenecarboxylate  
(Thifensulfuron-methyl)

Methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]amino]sulfonyl]benzoate  
(Tribenuron-methyl)

Chemical Formula: C H N O S (Thifensulfuron-methyl)  
C H N O S (Tribenuron-methyl)

Product Use: Agricultural Herbicide  
Prepared by: Rotam North America, Inc.

### Section 2. Composition/Information on Ingredients

Component	CAS Number	Concentration
Thifensulfuron-methyl	79277-27-3	50%
Tribenuron-methyl	101200-48-0	25%
Other Ingredients	Proprietary	25%

### Section 3. Hazards Identification

Emergency Overview: CAUTION. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

#### Potential Health Effects:

- Skin: May cause irritation with discomfort or rash
- Eyes: May cause irritation with discomfort, pain, redness, or visual impairment

#### Carcinogenicity

None of the components in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

## Section 4. First Aid Measures

- IF ON SKIN OR CLOTHING
- 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.
  - Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- IF IN EYES
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
  - Call a poison control center or doctor for treatment advice.
- IF SWALLOWED
- No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- IF INHALED
- No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact your local poison control center for emergency medical treatment information.

## Section 5. Fire Fighting Measures

**Firefighting Media:** Water spray, dry chemical, carbon dioxide.

**Extinguishing media which must not be used for safety reasons:** High volume water jet.

**Firefighting Instructions:** Wear full protective clothing and self-contained breathing apparatus. Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

(On small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/ tanks with water spray.

## Section 6. Accidental Release Measures

**Personal precautions:** Wear personal protective equipment.

**Environmental precautions:** Prevent material from entering sewers, waterways, or low areas. Do not allow material to contaminate ground water system.

**Methods for cleaning up:** For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

## Section 7. Handling and Storage

**Handling Precautions:** Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Remove contaminated clothing immediately after use. Wash thoroughly after handling.

**Storage Precautions:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

## Section 8. Exposure Controls/Personal Protection

**Engineering Controls:** Use only with adequate ventilation.

### **Personal Protective Equipment:**

**Eye/Face:** To protect against accidental eye contact, wear goggles/face-shield.

**Hand Protection:** Wear chemical resistant gloves.

**Skin Protection:** Wear long sleeved shirt and long pants, shoes plus socks. Wash thoroughly with soap and water after handling.

**Respiratory Protection:** Ensure good ventilation.

**Protective Measures:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## Section 9. Physical and Chemical Properties

Appearance	Off-white granules
Odor	Mild characteristic odor
pH	5 - 7
Explosive properties	Unlikely to produce explosion
Flammability	Not flammable
Water Solubility	Soluble in water

## Section 10. Stability and Reactivity

**Stability:** Stable under recommended storage conditions.

**Materials to avoid:** No materials to be especially mentioned.

**Hazardous decomposition products:** Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

**Hazardous reactions:** No decomposition if stored and applied as directed.

## Section 11. Toxicological Information

### **Thifensulfuron-methyl:**

**Acute Oral Toxicity:** LD<sub>50</sub> for rats > 5000mg/kg

**Acute Dermal Toxicity:** LD<sub>50</sub> for rabbits > 5050mg/kg

**Acute Inhalation Toxicity:** LC<sub>50</sub> (4 h) for rats >5.34 mg/l air.

**Skin Irritation:** Not irritating to skin of rabbits.

**Eye Irritation:** Not irritating to eyes of rabbits.

### **Tribenuron-methyl:**

**Acute Oral Toxicity:** LD<sub>50</sub> for rats >5050 mg/kg

**Acute Dermal Toxicity:** LD<sub>50</sub> for rabbits >5050 mg/kg

**Acute Inhalation Toxicity:** LC<sub>50</sub> (4 h) for rats > 2.26 mg/l air.

**Skin Irritation:** Not irritating to skin of rabbits.

**Eye Irritation:** Not irritating to eyes of rabbits.

## Section 12. Ecological Information

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

### **Aquatic Toxicity:**

#### **Thifensulfuron methyl (Technical):**

96 h LC50: Rainbow trout, 91 mg/l

336 h EC50: Duckweed, 0.00129 mg/l

48 h EC50: Water flea, 250 mg/l

#### **Tribenuron methyl (Technical):**

96 h LC50: Rainbow trout, 738 mg/l

14 d EC50: Duckweed, 0.00424 mg/l

48 h EC50: Water flea, >894 mg/l

## Section 13. Disposal Considerations

**Pesticide Disposal:** Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** Nonrefillable Container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Contact your state regulatory agency to determine allowable practices in your state. Offer for recycling, or puncture and dispose of in a sanitary landfill, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## Section 14. Transport Information

### IMO Classification:

**Shipping Name:** Environmentally hazardous substance, solid, N.O.S.  
Thifensulfuron-methyl 500g/kg + Tribenuron-methyl 250g/kg WG  
**Class:** 9  
**UN No.:** 3077  
**Packaging group:** III  
Marine Pollutant

### IATA Classification:

**Shipping Name:** Environmentally hazardous substance, solid, N.O.S.  
Thifensulfuron-methyl 500g/kg + Tribenuron-methyl 250g/kg WG  
**Class:** 9  
**UN No.:** 3077  
**Packaging group:** III

### ADR Classification:

**Shipping Name:** Environmentally hazardous substance, solid, N.O.S.  
Thifensulfuron-methyl 500g/kg + Tribenuron-methyl 250g/kg WG  
**Class:** 9  
**UN No.:** 3077  
**Packaging group:** III

Not regulated as hazardous material by DOT.

## Section 15. Regulatory Information

SARA 313 Regulated Chemical(s): Tribenuron methyl

**Title III Hazard Classification:** Acute health hazard: Yes  
Chronic health hazard: No  
Fire: No  
Reactivity/Physical hazard: No  
Pressure: No

### European/International Regulation:

Hazard Symbol(s): N Dangerous for the environment  
R-phrases): R43 May cause sensitization by skin contact.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
S-phrases): S35 This material and its container must be disposed of in a safe way  
S36/37 Wear suitable protective clothing and gloves  
S57 Use appropriate containment to avoid environmental contamination.

**Further information:** Handle in accordance with good industrial hygiene and safety practice.  
**Other regulations:** In the United States, this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions.

## Section 16. Other Information

### HMIS HAZARD RATINGS:

HEALTH:	2	0	Minimal
FLAMMABILITY:	2	1	Slight
PHYSICAL HAZARD:	1	2	Moderate
		3	High
		4	Severe

**Disclaimer:** The information provided by Rotam North America, Inc. contained herein is given in good faith and correct to the best of our knowledge. However, the information given is designed only as guidance for safe handling, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

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