

Triasulfuron-MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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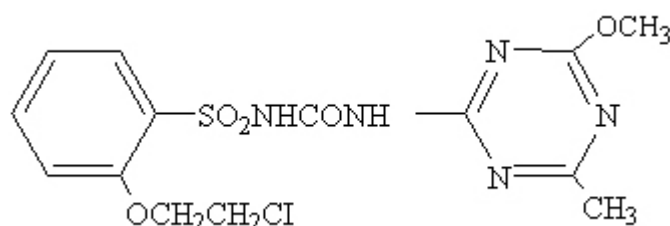
1. Chemical Product Identification

Product Name: Triasulfuron

Molecular Formula: C₁₄H₁₆ClN₅O₅S

Molecular Weight: 410.82

Structural Formula:



Chemical Name:

2-(2-chloroethoxy)-N-[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl]amino]carbonyl]benzenesulfonamide

Form: granules

Color: Grey to beige

Odor: Non-specific

CAS No.: 82097-50-5

2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Triasulfuron	82097-50-5	95.0
Other ingredients		5.0

3. Hazards Identification

Toxicity: This product is unlikely to present a hazard during normal use (WHO Hazard Class III).

Poisoning symptoms: No case of human poisoning due to this product is on record. The poisoning symptoms observed with both active constituents in laboratory mammals were non-specific.

4. First Aid Measures

In case of poisoning by any exposure route contact a doctor or Poisons Information Centre.

Swallowed: Do not induce vomiting. Give a glass of water. Note: Never give anything by mouth to an unconscious person.

Eye: Flush with large quantities of clean tap water for 15 minutes. Get to a doctor.

Skin: Remove contaminated clothing and wash affected areas thoroughly with soap and water.

Inhaled: Move person to fresh air and keep at rest until recovered.

5. Fire-Fighting Measures

Use dry chemical, foam or CO₂ extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

6. Accidental Release Measures

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Sweep up material and place in a compatible disposal container. Scrub area with hard water detergent. Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. Handling And Storage

Store the material 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. 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.

8. Exposure Controls/Personal Protection

Engineering Controls: No special requirements. Product is used outdoors.

Personal Protection: Wash hands after use.

9. Physical and Chemical Properties

Melting Point: 178°C

Boiling Point: Not Applicable

Specific Gravity/Density: 0.50 - 0.70 g/cm³

PH: 6 - 7 (10% suspension in H₂O)

Solubility in H₂O: 815 mg/l @ 77°F (25°C)

Vapor Pressure: < 1.5 x 10⁽⁻⁸⁾ mmHg @ 77°F (25°C)

10. Stability and Reactivity

Stability: Stable under normal use and storage conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

Materials to Avoid: None known.

Hazardous Decomposition Products: Can decompose at high temperatures forming toxic gases.

11. Toxicological Information

Ingestion: Oral (LD50 Rat) : > 5,050 mg/kg body weight

Dermal (LD50 Rabbit): > 2,010 mg/kg body weight

Inhalation (LC50 Rat): > 2.5 mg/l air - 4 hours

Eye Contact: Minimally Irritating (Rabbit)

Skin Contact: Non-Irritating (Rabbit)

Skin Sensitization: Not a Sensitizer (Guinea Pig)

12. Ecological And Ecotoxicological Information

Eco-Acute Toxicity:

Bees LC50/EC50 > 100 ug/bee

Invertebrates (Water Flea) LC50/EC50 > 100 ppm

Fish (Trout) LC50/EC50 > 100 ppm

Fish (Bluegill) LC50/EC50 > 100 ppm

Birds (8-day dietary - Bobwhite Quail) LC50/EC50 > 5,000 ppm

Birds (8-day dietary - Mallard Duck) LC50/EC50 > 5,000 ppm

Environmental Fate: No data available for the formulation. The information presented here is for the active ingredient, triasulfuron. Not persistent in soil or water. Moderate mobility in soil. Sinks in water (after 24 h).

13. Disposal Considerations

In case of spillage it is important to take all steps necessary to: Avoid contamination of all areas where vegetation grows - this is an extremely potent selective herbicide, and contaminated areas may not support vegetation for many years. Avoid eye and skin contact. Avoid contamination of waterways.

14. Transport Information

Not applicable.

15. Regulatory Information

Not applicable.

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.