



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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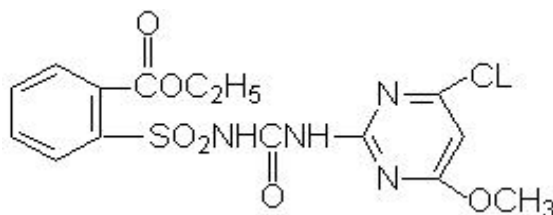
1. Chemical Product Identification

Product Name: Chlorimuron-ethyl 95% TC

Molecular Formula: C₁₅H₁₅ClN₄O₆S

Molecular Weight: 414.82

Structural Formula:



Chemical Name: Ethyl 2-[[[(4-Chloro-6-methoxypyrimidin-2-yl) amino]carbonyl]amino]sulfonyl}benzoate

Form: Solid

Color: Ivory

Odor: None

CAS No.: 90982-32-4

UN NO.: 3077

2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Chlorimuron-ethyl	90982-32-4	95.0
Other ingredients	---	5.0



3. Hazards Identification

Caution! Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

4. First Aid Measures

If In Eyes: Hold open eye and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center doctor for treatment advice.

If On Skin Or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control or doctor, or going for treatment.

5. Fire-Fighting Measures

Flammable Properties

Flammable limits in Air, % by Volume

LEL: 0.212 g/L

Autoignition: 330°C (626 °F) Not a fire or explosion hazard.

Like most organic powders or crystals, under severe dusting conditions, this material may form explosive mixtures in air.

Extinguishing Media: Water Spray, Dry Chemical.

Fire Fighting Instructions: Wear self-contained breathing apparatus. Wear full protective equipment. Use water spray. Runoff from fire control may be a pollution hazard. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated.

6. Accidental Release Measures

Safeguards (Personnel)

Note: Review Fire-Fighting Measures and Handling (Personnel) sections before proceeding with clean-up. Use appropriate

Personal Protective Equipment during clean-up.

Initial Containment: Dike spill. Prevent material from entering sewers, waterways, or low areas.



Spill Clean Up: Shovel or sweep up.

Accidental Release Measures: If spill area is on ground near valuable plants or trees remove top 2 inches of soil after initial cleanup.

7. Handling and Storage

Handling (Personnel): Avoid breathing vapors or mist. Avoid breathing dust. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Wash clothing after use. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Handling (Physical Aspects): Avoid dust generation.

Storage: Store in a well ventilated place. Keep container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Store product in original container only. Do not contaminate water, other pesticides, fertilizers, food or feed in storage. Store in a cool dry place.

8. Exposure Controls/Personal Protection

Engineering Controls: Use only with adequate ventilation. Keep container tightly closed.

Personal Protective Equipment: Some materials that are chemical resistant to this product are listed above.

Applicators and other handlers must wear: Long-sleeved shirt and long pants. Chemical Resistant Gloves Category A (such as butyl rubber, natural rubber, neoprene rubber or nitrile rubber) all greater than or equal to 14 mls. Shoes plus socks.

9. Physical and Chemical Properties

Solubility in Water (mg/L,25°C) : (Ph=5) 9; (pH=6.5) 450 ; (pH=7) 1200

Melting point: 181°C

Vapor pressure: 4.90×10^{-7} mPa at 25°C

Relative density: 1.51 at 25°C

Partition coefficient: Kow logP=0.11 at pH=7

pH: 4.0-7.5 (1% Solution)



10. Stability and Reactivity

Chemical Stability: Stable at normal temperatures and storage conditions. Incompatibility with Other Materials. None reasonably foreseeable.

Decomposition: Decomposition will not occur.

Polymerization: Polymerization will not occur.

11. Toxicological Information

Acute oral LD50 for rat: >4102 a.i.mg/kg.

Acute dermal LD50 for rabbit: >2000 a.i.mg/kg.

Inhalation LC50 (4 h) for rat: >5.0 a.i.mg/L.

Skin Irritation: Non-irritating to skin (rabbits).

Eye Irritation: Non-irritating to eyes (rabbits).

Skin Sensitization: Not a skin sensitiser (guinea pigs).

12. Ecological And Ecotoxicological Information

Effect on birds: low toxicity to birds, acute oral LD50 for Mallard ducks is >5620 a.i.mg/kg.

Effect on fish: moderate toxicity to fish, acute 96 hour LC50 for Rainbow trout is >8.4 a.i.mg/L.

Effect on aquatic invertebrates: moderate toxicity to aquatic invertebrates, acute 48 hour EC50 for Daphnia magna is >10 a.i.mg/L.

Effect on honeybees: moderate toxicity to honeybees, contact acute 48 hour LD50 is 12.5 a.i.µg/bee.

Effect on earthworms: low toxicity to earthworms, acute 14 day LC50 for Eisenia foetida is 4050 a.i.mg/kg.

13. Disposal Considerations

Waste Disposal: Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system. Do not contaminate water, food, or feed by disposal. Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Environmental Hazards: Do not apply directly to water, or areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water



when disposing of equipment washwaters.

Container Disposal: For Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For Fiber Sacks: Completely empty fiber sack by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing or application equipment. Then dispose of sack in a sanitary landfill or by incineration if allowed by State and local authorities.

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.