

Primisulfuron-methyl-MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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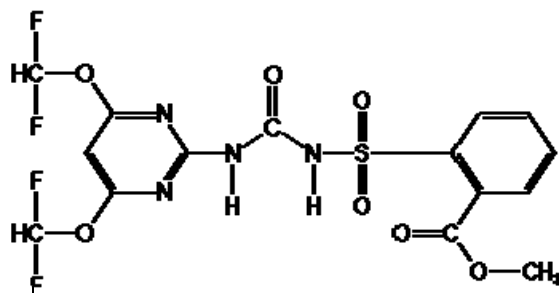
1. Chemical Product Identification

Product Name: Primisulfuron-methyl

Molecular Formula: $C_{15}H_{12}F_4N_4O_7S$

Molecular Weight: 468.3

Structural Formula:



Chemical Name: 2-[4,6-bis(difluoromethoxy)-pyrimidin-2-ylcarbamoyl sulfamoyl] benzoic acid, methyl ester

Form: Solid

Color: White

Odor: Odorless

CAS No.: 86209-51-0

2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Primisulfuron-methyl	86209-51-0	95.0
Other ingredients		5.0

3. Hazards Identification

May cause eye and skin irritation. Can decompose at high temperatures forming toxic gases.

4. First Aid Measures

Ingestion: If swallowed, call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow.

Eye Contact: If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact: 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.

Inhalation: If inhaled, move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

5. Fire-Fighting Measures

Unusual Fire, Explosion and Reactivity Hazards: During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

In Case of Fire: 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

In Case of Spill or Leak:

Control the spill at its source. Contain the spill to prevent it from spreading, contaminating soil, or entering sewage and drainage systems or any body of water. Clean up spills immediately. Sweep up material and place in a 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

Inhalation: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Protection provided by air-purifying respirators is limited. Use a pressure demand atmosphere-supplying respirator if there is any potential for uncontrolled release, exposure levels are not known, or under any other circumstances where air-purifying respirators may not provide adequate protection.

9. Physical and Chemical Properties

Melting point: 194.8–197.4°C

Density: 1.64×10^3 kg/m³ at 22°C

Vapor pressure: $<5 \times 10^{-6}$ Pa at 25°C

Solubility in water at 25°C: Solubility increases with increasing pH

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.

11. Toxicological Information

Ingestion: Oral (LD₅₀ Rat): 2,932 mg/kg body weight

Dermal: Dermal (LD₅₀ Rabbit): > 2,020 mg/kg body weight

Inhalation: Inhalation (LC₅₀ Rat): > 3.6 mg/l air - 4 hours

12. Ecological And Ecotoxicological Information

Practically nontoxic to birds and invertebrates. Slightly toxic to fish. No data available for the formulation.

Does not bioaccumulate. Not persistent in soil. Stable in water. Highly mobile in soil. Will leach. Sinks in water (after 24 h).

13. Disposal Considerations

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

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.