



## MATERIAL SAFETY DATA SHEET

### Manufacturer/information service:

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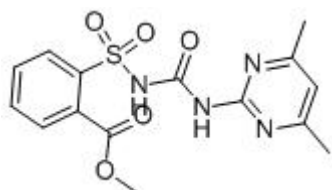
### 1. Chemical Product Identification

Common Name: Sulfometuron-methyl 75% WDG

Molecular Formula: C<sub>15</sub>H<sub>16</sub>N<sub>4</sub>O<sub>5</sub>S

Molecular Weight: 364.38

Structural Formula:



Chemical Name: 4-cyano-2,6-diiodophenyl octanoate

Form: Granule

Color: Off white

Odor: Odorless

CAS No.: 74222-97-2

### 2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Sulfometuron-methyl	74222-97-2	75
Other ingredients	---	25

### 3. Hazards Identification

Environmental hazard : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



#### **4. First Aid Measures**

Inhalation: Remove victim to fresh air. If breathing is difficult: artificial respiration . Get medical attention.

Skin contact: Remove contaminated clothing and shoes. Wash away remainder with plenty of water.

Eye contact: Wash out with plenty of water with the eyelid held wide open for at least 15 minutes. Get medical attention.

Ingestion: Wash out mouth with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Note to physician: No specific antidote known. Treat symptomatically and give supportive therapy.

#### **5. Fire-Fighting Measures**

Suitable extinguishing media: For small fire: dry chemical powder, water spray carbon dioxide. For large fire: foam, water fog, water spray.

Protection against fire: Self-contained breathing apparatus and total protection required in enclosed areas.

Hazardous decomposition products: Sulfur oxides, nitrogen oxides (NO, NO<sub>2</sub>), carbon oxides (CO, CO<sub>2</sub>) .

#### **6. Accidental Release Measures**

For emergency responders: Wear suitable protective clothing, gloves and eye/face protection.

Environmental precautions: Do not empty into drains Do not discharge into the environment.

Clean up methods: Collect spills and put it into appropriated container. Dispose of this material and its container at hazardous or special waste collection point. Keep away from combustible material.

#### **7. Handling And Storage**

Handling: Ventilation required.

Storage: Keep in original containers. Keep away from food, drink and animal feeding stuffs.

Store in dry, well-ventilated area.

Precautions in handling and storage: Handle in accordance with good industrial hygiene and



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safety procedures.

Storage - away from: Direct sunlight .

## 8. Exposure Controls/Personal Protection

Exposure Standards (ASCC): No exposure standards set.

Engineering Controls: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that dusts are minimised.

Respiratory Protection: If there is a significant chance that dusts are likely to build up in the area, a suitable dust mask should be used.

Eye Protection: Protective glasses or goggles and face shield.

Skin Protection: Impervious elbow-length gloves.

Hygienic Practices: Exercise good hygiene practice.

## 9. Physical and Chemical Properties

Appearance: Off white granule

pH: 5.0-8.0

Water content:  $\leq 3.0\%$

Wettability:  $\leq 60s$

Suspensibility:  $\geq 70\%$

Wet sieve test (44 $\mu m$ ):  $\geq 98\%$

Storage stability at 54°C: Qualified

## 10. Stability and Reactivity

Stability: Stable under normal conditions.

Hazardous decomposition products: Sulfur oxides, nitrogen oxides (NO, NO<sub>2</sub>), carbon oxides (CO, CO<sub>2</sub>).

Materials to avoid: oxidizing agents, acids, alkali.

## 11. Toxicological Information

Acute oral LD<sub>50</sub> for rats: >5000 a.i.mg/kg

Acute dermal LD<sub>50</sub> for rats: >2000 a.i.mg/kg

Acute inhalation toxicity LC<sub>50</sub> (4 h) for rats: >5 a.i.mg/L.



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Skin irritation: Non-irritating to skin (rabbits)

Eye irritation: Slightly irritating to eyes (rabbits)

Skin sensitization: Not a skin sensitizer (guinea pigs).

## **12. Ecological And Ecotoxicological Information**

Effect on birds: Acute oral LD50 for Mallard is >5000 a.i.mg/kg.

Effect on fish: Acute LC50 (96 h) for Rainbow trout is >12.5 a.i.mg/l.

Effects on aquatic invertebrates: Acute EC50 (48 h) for Daphnia magna is >12.5 a.i.mg/l.

Effects on bees: contact acute 48 hour LD50 is >100 a.i.µg/bee.

Effects on earthworms: Acute 14 day LC50 is >1000 a.i.mg/kg.

## **13. Disposal Considerations**

General: Dispose of in a pesticide approved landfill, or in a chemical incinerator equipped with scrubbers. Dispose in a safe manner in accordance with local/national 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.