

### MATERIAL SAFETY DATA SHEET

PRODUCT : Sulfosulfuron 75% WDG

PRODUCT DESIGNATION : Herbicide

#### **Section 1. Product & Company Identification**

Common Name : Sulfosulfuron  
Grade : Formulation  
Active Ingredient : Sulfosulfuron  
Chemical Name of Active Ingredient (IUPAC) : 1-(4,6-dimethoxypyrimidin-2-yl)-3-(2-ethylsulfonylimidazo[1,2-a]pyridin-3-yl)sulfonylurea  
Chemical Family of A. I. : Sulfonylurea  
Molecular Formula of A. I. :  $C_{16}H_{18}N_6O_7S_2$   
Molecular Mass of A. I. : 470.5 g/mol  
Manufacturer & Supplier : **M/s United Chemicals**  
**Head office:**B-371, 1<sup>st</sup> Floor, Meera Bagh, New Delhi,  
**Factory:**15/1, 15/2, 15/3, industrial Estate, Vidisha,  
(M.P)  
Telephone Number : +91-11-25258770

#### **Section 2. Composition / Information on Ingredients**

Identity	% W/W content
Sulfosulfuron	75.00 %w/w
Other components	25.00 % w/w
Total	100.00% w/w

#### **Section 3. Hazards Identification**

##### **Potential Health Hazards:**

Likely routes of exposure

Skin contact, eye contact

### **Eye contact, short term**

May cause temporary eye irritation

### **Skin contact, short term**

Not expected to produce significant adverse effects when recommended use instructions are followed.

### **Inhalation, short term**

Not expected to produce significant adverse effects when recommended use instructions are followed.

### **Potential other effects**

Risk of dust explosion.

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

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**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:** In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:** In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

**Ingestion:** If swallowed, do not induce vomiting. Rinse out mouth and give some water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

### **Symptoms Caused by Exposure:**

Inhalation: May cause respiratory irritation.

Ingestion: The concentrate is of low toxicity if swallowed.

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## **Section 5. Fire Fighting Measures**

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**Suitable Extinguishing Media:** Water, foam, dry chemical or carbon dioxide.

**Specific Hazards Arising from the Chemical:** Hazardous combustion products include oxides of carbon, nitrogen and phosphorus and hydrogen chloride. Product is non-flammable.

**Special Protective Equipment and Precautions for Fire Fighters:** When fighting a major fire wear self-contained breathing apparatus and protective equipment.

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### Section 6. Accidental Release Measures

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#### **Personal Precautions:**

Wear an approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

**Environmental Precautions:** In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:** For solid spills: Stop leak if safe to do so and sweep granules into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation. For liquid spills: Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. If spill is too large or absorbent material is not available create a dyke to stop the spill from spreading. Collect the spilled material and place into a suitable container for disposal. Wash area after spills.

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### Section 7. Handling & Storage

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#### **Handling :**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

#### **Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Keep away from strong oxidising agents, strong acids and strong bases.

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### Section 8. Exposure Control, Personal Protection

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**Engineering Controls :** Handle in well ventilated areas, generally natural ventilation is adequate. If natural ventilation is inadequate, use of a fan is suggested.

**Personal Protective Equipment :** No special skin protection is necessary, however we suggest avoid skin contact with chemical products by wearing suitable gloves (elbow length)

and wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). If there is significant chance of dust are likely to build up, use of a dust mask is recommended.

**Eye Protection :** Eye protection is recommended. Wear a protective glasses or goggles.

**Hygiene Measures:** After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

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### Section 9. Physical and Chemical Properties

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Appearance / state	:	Free flowing granules, Solid
Colour	:	Off-white
Odour	:	Weak characteristic odour
Flammability	:	Non flammable
Ph	:	4.5 to 7.0
Density	:	0.6 gm/ml
Water Solubility:	:	Dispersible in water

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### Section 10. Stability & Reactivity

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**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Extreme temperatures.

**Incompatible Materials:** Strong oxidising agents, strong acids and strong bases.

**Hazardous Decomposition Products:** Oxides of carbon, nitrogen and phosphorus and hydrogen chloride.

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### Section 11. Toxicological Information

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<b>Acute Oral Toxicity- LD<sub>50</sub></b>	Rat: >5000 mg/kg
<b>Acute Dermal Toxicity- LD<sub>50</sub></b>	Rat: >5000 mg/kg
<b>Acute Inhalation - LD<sub>50</sub></b>	Rat: >3.2 mg/L Air
<b>Eye irritation</b>	Moderate Irritating to eyes
<b>Skin Irritation</b>	Non irritating
<b>Skin Sensitization</b>	Not a skin sensitizer

### Section 12. Ecological Information

Toxicity to Fishes	Rainbow Trout LC50 (96H) >95mg/L
Toxicity to daphnia	>95 mg/l
Toxicity to Bees	>128 µg/bee
Toxicity to Birds	Mallard duck LD50 >2250 mg/kg

### Section 13. Disposal Consideration

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:** Please consult your state Land Waste Management Authority for more information.

### Section 14. Transport InformationIMDG Classification

Shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sulfosulfuron)
Class	: 9.0
Packing group	: III
UN number	: 3077
Marine pollutant	: Yes

### Section 15. Regulatory Information

**Packaging & Labelling** KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING

### Section 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 resented 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

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