

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Trade name : 'total'

Chemical name : Sulfosulfuron 75% + Metsulfuron methyl 5%WG **Chemical group** :
Sulfonylurea

Recommended use : Herbicide

Formulation : Water dispersible granules

Name of manufacturer : United Phosphorus Limited

Address of Manufacturer : Uniphos House,11th Road
Madhu Park, Khar (West)

Mumbai-400 052

Telephone : (91-22) 2604 1111

Facsimile : (91-22) 2604 1010

Contact : Development Manager

Website : www.uplonline.com

2. PHYSICAL PROPERTIES

Appearance : White to off-white coloured

Physical state : Free flowing granules

Dustiness : Essentially non-dusty

Water : 1.0 % (Max.)

3. CHEMICAL INFORMATION

Active Ingredient

Sulfosulfuron

1-(4,6- dimethoxypyrimidin-2-yl)- 3-[(2- ethyl sulfonylimidazo[1,2-a] = pyridin-3yl) sulfonylurea (IUPAC)

Metsulfuron methyl

2-(4-methoxy-6-methyl -1,3,5-triazin-2-yl-carbamoyl-sulphamoyl) benzoic acid (IUPAC)

Chemical Composition

CAS RN

Content (% w/w)

Sulfosulfuron

[141776-32-1]

75.00

Metsulfuron methyl

[79510-48-8]

05.00

Other Ingredient

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QS to make 100

4. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (LETHAL DOSES)

Oral toxicity LD₅₀ Rats : >5000 mg/kg

LD₅₀ Mice : >5000 mg/kg

Dermal toxicity LD₅₀ Rats : >2000 mg/kg

Inhalation toxicity LC₅₀ Rats : > 4.62 mg/L

Primary Skin irritation : Non- irritant

Mucous membrane irritation : Non- irritant

5. FIRST AID MEASURES AND MEDICAL TREATMENT

PRECAUTIONARY MEASURES

Do not mix with bare hands. Use a wooden stick for stirring spray solution. Do not eat, drink or smoke during application. Avoid contact with eyes and skin. Destroy empty containers after use.

FIRST AID

Remove the patient to the fresh air. Wash contaminated skin with plenty of soap and water. If eyes are contaminated, wash with copious amount of water. If ingested, victim should be induced to vomit by tickling the back of throat. In emergency take the patient to the nearest hospital.

ANTIDOTE :

No specific antidote is known. Treat symptomatically.

6. STORAGE AND DISPOSAL

STORAGE

The packages containing herbicides shall be stored in separate rooms or premises, away from the rooms or premises used for storing other articles or shall be kept in separate almirahs under lock and key depending upon the quantity and nature of the herbicide. The rooms or premises meant for storing herbicide shall be well-built, dry, well-lit and ventilated and of sufficient dimension.

DISPOSAL:

It shall be the duty of the manufactures, formulators or herbicide operators to dispose packages or surplus materials and washings in a safe manner so as to prevent environmental or water pollution. The used packages shall not be left outside to prevent their re-use. Packages shall be broken and buried away

from habitation.

7. FIRE /EXPLOSION HAZARD DATA

In case of fire, use water (flood with water), CO₂, or alcohol foam.

Special Fire-fighting Procedures:

Fire fighters or others exposed to products of combustion from exposing fire should wear full protective clothing including self-contained breathing apparatus. Thoroughly decontaminate equipment after use.

Unusual Fire and Explosion Hazards: None

Reactivity Data:

Stable under normal conditions of storage and handling.

No incompatibility known with other materials.

Hazardous decomposition products not known.

Hazardous polymerisation does not occur.

8. DISCLAIMER

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