



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name : Sulfosulfuron Technical
CAS No : 141776-32-1
Use : Herbicides
Company Name : M/s HPM Chemicals & Fertilizers Ltd.
Address : 209-210, Anupam Bhawan, Azadpur Commercial Complex, Azadpur, Delhi-110033
Telephone : (011)-45071800, 899
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Website : www.hpmindia.com
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2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Chemical Name	%	EINECS #	Haz symbols	Risk Phrases
141776-32-1	Sulfosulfuron	>95%	-	-	-

Hazard Symbol: XN
Risk Phrases: 22

3. HAZARDS IDENTIFICATION OF PREPARATION

Emergency Overview:

Harmful if swallowed.

Potential Health Effects: The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin of eyes and to prevent inhalation. Compound is Non-hazardous, Non-Toxic/Non-Flammable.

4. FIRST AID MEASURES

Eyes : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin : Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion : Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Inhalation : Remove from exposure and move to fresh air immediately.

5. FIRE FIGHTING MEASURES

General Information : As in any fire, wear a self-contained breathing apparatus in



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Pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. During a fire, irritating and highly Toxic gases may be generated by thermal decomposition or combustion.

Extinguishing media : In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

6. ACCIDENTAL RELEASE MEASURES

General Information : Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks : Clean up spills immediately, observing precaution in the protective Equipment section. Sweep up, then place into a suitable container for disposal.

7. HANDLING AND STORAGE

Handling : Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage : Store in a well closed container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process, local exhaust ventilation, or other engineering controls to control airborne levels.

Personal Protective Equipment:

Eyes: Wear safety glasses and chemical goggles if splashing is possible.

Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Wear a NIOSH/MSHA or European standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Off-white odourless amorphous powder

Sulfosulfuron content by HPLC : 98% (w/w) minimum

Moisture Content by Karl : 0.20% (w/w) maximum

Fischer method

Melting Point : 201 – 203OC



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10. STABILITY AND REACTIVITY

Chemical Stability : Stable under normal temperature and pressures
Conditions to Avoid : Incompatible materials, strong oxidants
Incompatibilities with other materials: Strong oxidizing agents, strong bases.
Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.
Hazardous Polymerization: Has not been reported.

11. TOXICOLOGICAL INFORMATION

RTECS #:
CAS # : LD50/LC50
CAS # : Draize test, rabbit, eye: 100 mg/24H Moderate; Oral,
Mouse : LD50=300 mg/kg; oral, rabbit: LD50=3200 mg/kg; oral, rat
LD50 : 980 mg/kg.
Carcinogenicity:
Salicyclamide- Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
See actual entry in RTECS for complete information.

12. ECOLOGICAL INFORMATION

a) Mammalian toxicity : EPA classification (formulation) : Class III. It is moderately irritant to skin and non-irritant to eyes.
b) Environmental toxicity : It is slightly toxic to birds and fish and non-toxic to bees.

13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14. TANSPORT INFORMATION

IATA : No information available
IMO : No information available
ID/ADR : No information available

15. REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives
Hazards Symbols: XN
Risk Phrases : R22 Harmful if swallowed



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Safety Phrases : WGK (Water Danger/Protection)

CAS# United Kingdom Occupational Exposure Limits
United Kingdom Maximum Exposure Limits

Canada

CAS# is listed on Canada's DSL List.

CAS # is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US Federal

TSCA

CAS# is listed on the TSCA inventory.

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.

Prepared By: M/s HPM Chemicals & Fertilizers Ltd. Safety Division