

MATERIAL SAFETY DATA SHEET

PRODUCT : Pyrazosulfuron-ethyl 10% WP

PRODUCT DESIGNATION : Herbicide

Section 1. Product & Company Identification

Common Name : Pyrazosulfuron-ethyl
Grade : Formulation
Active Ingredient : Pyrazosulfuron-ethyl
Chemical Name of Active Ingredient (IUPAC) : Ethyl 5-(4,6-dimethoxypyrimidin-2-ylcarbamoysulfamoyl)-1-methyl pyrazole-4-carboxylate
Chemical Family of A. I. : Pyrazoles
Molecular Formula of A. I. : C₁₂H₁₄N₆O₇S
Molecular Mass of A. I. : 381.36g/mol
Manufacturer & Supplier : **M/s United Chemicals**
Head office:B-371, 1st 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

Name of Components	Concentration% w/w
Pyrazosulfuron-ethyl a.i.	10.00% w/w
Inert Ingredients	90.00% w/w
TOTAL	100.00% w/w

Section 3. Hazards Identification

Biological hazards:

Eye contact: May cause irritation.

Skin contact: Not a skin irritant.

Ingestion: May cause nausea, vomiting, and diarrhoea.

Inhalation: May cause irritation.

Section 4. First Aid Measures

General advice : Never give anything by mouth to an unconscious person.

Inhalation : Move to fresh air. Consult a physician after significant exposure. Artificial respiration and/or oxygen may be necessary.

Skin contact : Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before re-use.

Eye contact : If easy to do, remove contact lens, if worn. Hold eye open and rinse slowly and gently with water for 15-20 minutes. If eye irritation persists, consult a specialist..

Ingestion : Obtain medical attention. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If victim is conscious: Rinse mouth with water.

Notes to physician

Treatment : Treat symptomatically

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Water, foam, dry chemicals or CO₂.

Specific Hazard during Fire: Normal combustion forms carbon dioxide, water vapour and may produce toxic gaseous (carbon monoxide, SO_x or NO_x).

Special Protective Equipment: Use self-contained breathing apparatus and protective clothing. Move away this product from fire if there is no risk. Use water spray or fog nozzle to keep containers or surrounding area cool. Fight fire from upwind position.

Other Information: Keep away from heat and open flame.

Section 6. Accidental Release Measures

Personal Precautions:

Wear suitable protective clothing, shoes, gloves and goggle.

Environmental Precautions:

Prevent spillage from entering the drainage systems or watercourses.

Method for Cleaning Up:

Keep unauthorized persons, children and animals away from the affected area. Prevent further waste by closing the container properly, shifting its position to stop leakage or placing into another container. Carefully sweep up and collect the spilled material by absorbent such as sand or vermiculite and place in a closed container (drum) for disposal. Do not raise dust. Wash affected area with water containing a strong industrial type detergent.

Section 7. Handling & Storage

General Precautions: Do not smoke, drink, or eat during handling. Wash hands using liquid detergent. Wear protective clothing to avoid contact and/or inhalation with the product. Eliminate all sources of ignition from areas where the material is handled or used. Good personal hygiene procedures must be practiced.

Precautions for Safe Handling:

Wear suitable protective clothing, shoes and goggle. Do not eat, drink or smoke during the work. Do not breathe dust. Avoid contact with skin or eyes. Protect containers against physical damage. Keep away from heat and open flame. Do not reuse this container for any other purpose. Keep away from possible contact with water.

Storage:

Store in a cool place and protect from direct sunlight. Keep tightly closed in original labeled container.

Section 8. Exposure Control, Personal Protection

Respiratory Protection: Full face protective mask.

Eye Protection: Safety goggles or face shield is recommended.

Skin Protection: Natural rubber gloves and appropriate protective clothing necessary to prevent skin contact with the product.

Protective clothing: Chemical resistant gloves, coveralls, apron and foot coverings. User safety recommendations: Safety showers and eye wash should be easily accessible.

Section 9. Physical and Chemical Properties

Appearance / state	: Off-white powder
Colour	: Off-white
Odour	: Faint aromatic
pH	: 7.3 (10% suspension)
Partition Coefficient Po/w:	: 3.16 (technical)
Flash point	: Not applicable
Relative Density	: 0.4 ± 1 (bulk density)
Flammability	: Non-Flammable
Water Solubility	: Dispersible

Section 10. Stability & Reactivity

Chemical Stability: Unstable at extreme pH, temperatures and upon exposure to UV light.
Stable under normal storage conditions.

Incompatible Material: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides etc.

Hazardous Decomposition Product: Will not occur.

Section 11. Toxicological Information

Acute Oral Toxicity LD₅₀ for rats : >5,000 mg/kg

Acute Dermal Toxicity LD₅₀ Rabbit : >2,000 mg /kg

Acute Inhalation LC₅₀ Rat : >4.79 mg /l

Eye Irritation Rabbit : slightly eye irritant

Skin Irritant Rabbit : Not a skin irritant

Skin sensitization Guinea pig : Not a skin sensitizer

Section 12. Ecological Information

Toxicity to fish: Rainbow trout, LC₅₀ (48h) >100 mg/l

Daphnia magna, LC₅₀ (48h): LC₅₀ (3h): >100 mg/l

Toxicity to Bird (Bobwhite quail), LD₅₀: >2250 mg/kg

Toxicity to Bee, LD₅₀ (Contact): >100 µg/bee

Section 13. Disposal Consideration

Pyrazosulfuron-ethyl, shows high biological efficacy against broad-leaved and grass weeds. It may show effects on non-target plants. Therefore do not contaminate waterways by cleaning of equipment or disposal of wastes. Untreated effluent should not be discharged where it will drain into lakes, streams or ponds.

Wastes resulting from manufacture and formulation that cannot be used or chemically reprocessed should be disposed of by incinerator equipped with scrubber in accordance with all applicable regulations.

Section 14. Transport Information

IMDG Classification

Shipping name : Environmentally Hazardous Substance, Solid, N.O.S.
Class : 9
Packing group : III
UN number : 3077
Marine pollutant : Yes

Section 15. Regulatory Information

Classification:

Classified as non hazardous under CLASS Regulations 2013

Signal Word: Not applicable

Pictogram Not applicable

Pesticides Act: Class IV

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 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 in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all

Admn. Off. : B-371, 1st Floor, Meera Bagh, Delhi-110063 (India)
Ph. : 25258770, 25258771, 25258772, 42334229

E-mail : utc_chemicals@hotmail.com
info@unitedchemicals.in

people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces formulations(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

Safety Division :UNITED CHEMICALS, SAFETY DIVISION

