



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

ZHEJIANG RAYFULL CHEMICALS CO.,LTD

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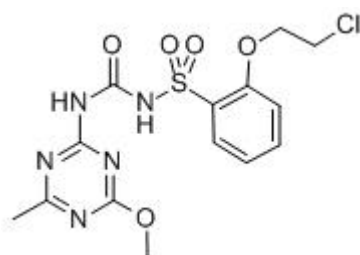
1. Chemical Product Identification

Common Name: Triasulfuron 75% WDG

Molecular Formula: C₁₄H₁₆ClN₅O₅S

Molecular Weight: 401.83

Structural Formula:



Chemical Name: 1-[2-(2-chloroethoxy)phenylsulfonyl]-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea

Form: Columnar granules

Color: Brown

Odor: Mild odour

CAS No.: 82097-50-5

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Triasulfuron	82097-50-5	75
Other ingredients	---	25



3. Hazards Identification

Hazard statement(s)

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P273: Avoid release to the environment.

P391: Collect spillage.

P501: Dispose of contents/container in accordance with local/regional/national regulations.

4. First Aid Measures

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Gently brush away excess solids. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

Eye Contact: Quickly and gently brush particles from eyes. No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

5. Fire-Fighting Measures

Specific Hazard: Product is a combustible solid. If scattered, may form flammable or explosive dust clouds in air.

Extinguishing media: Foam, CO₂ or dry chemical. Soft stream water fog if no alternatives.

Contain all runoff. Do not use high pressure water jets. Contain all runoff.

Hazards from combustion products: On burning will emit toxic and noxious fumes.

Precautions for fire-fighters and special protective equipment: Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe or contact smoke, gases or vapours generated.



6. Accidental Release Measures

Emergency procedures: Isolate and post spill area. Keep out unprotected persons and animals. Wear cotton overalls buttoned at the neck and wrist and elbow-length chemical resistant gloves and goggles and face mask if dust is present. Large spills should be dyked or covered to prevent dispersal. Vacuum shovel or pump spilled material into an approved container and dispose of as listed in section 13.

Material and methods for containment and cleanup procedures: To clean spill area, tools and equipment, wash with a solution of soap, water and acetic acid/vinegar. Follow this with a neutralisation step of washing the area with a bleach or caustic soda ash solution. Finally, wash with a strong soap and water solution. Absorb, as above, any excess liquid and add both solutions to the drums of waste already collected. Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.

7. Handling And Storage

Precautions for Safe Handling: Ensure containers are kept closed until using product. Will irritate the eyes. Avoid contact with eyes. DO NOT inhale dust. Wash hands after use.

Conditions for Safe Storage: DO NOT store near (or allow to contact) fertilizers, fungicides or pesticides. Store in closed original containers, in a cool, well ventilated area away from children, animals, food and feedstuffs. Do not store for prolonged periods in direct sunlight.

8. Exposure Controls/Personal Protection

National Exposure Standards: No exposure standard has been established.

Biological Limit Values: No biological limit allocated.

Engineering controls: Use in well ventilated area only. Use local exhaust at all process locations where dust may be emitted. Ventilate all transport vehicles prior to unloading. Keep containers closed when not in use.

Personal Protective equipment (PPE):

General: Will irritate eyes. Avoid contact with eyes. DO NOT inhale dust. Wash hands after use.

Personal Hygiene: Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking. Shower at the end of the workday.



9. Physical and Chemical Properties

Appearance: Brown columnar granules

pH: 6.0-9.0

Water content: $\leq 3.0\%$

Suspensibility: $\geq 80\%$

Wetting time: $\leq 60s$

Fineness (through 75 μm sieve): $\geq 98\%$

10. Stability and Reactivity

Chemical Stability: Product is considered stable in ambient conditions for a period of at least 2 years after manufacture.

Conditions to avoid: Do not store for prolonged periods in direct sunlight.

Incompatible materials: Strong acids, strong bases and strong oxidising agents.

Hazardous decomposition products: On burning will emit toxic and noxious fumes.

Hazardous reactions: Will not polymerise.

11. Toxicological Information

Acute oral LD50 for rats: >5000 a.i.mg/kg

Acute dermal LD50 for rats: >2000 a.i.mg/kg

Acute inhalation toxicity LC50 (4 h) for rats: >5.2 a.i.mg/L.

Skin irritation: Non-irritating to skin (rabbits)

Eye irritation: Slightly irritating to eyes (rabbits)

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

12. Ecological And Ecotoxicological Information

Effect on birds: Acute oral LD50 for Bobwhite quail is >1236 a.i.mg/kg.

Effect on fish: Acute LC50 (96 h) for Rainbow trout is >100 a.i.mg/l.

Effects on aquatic invertebrates: Acute EC50 (48 h) for Daphnia magna is >100 a.i.mg/l.

Effects on algae: Acute 72 hour EC50 for Raphidocelis subcapitata is 0.035 a.i.mg/l.

Effects on bees: oral 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



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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.

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.