

Triadimenol -MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

ZHEJIANG RAYFULL CHEMICALS CO.,LTD

ADD: NO.113 PUXING ROAD, PUZHOU INDUSTRIAL PARK, LONGWAN DISTRICT, WENZHOU ZHEJIANG P.R. CHINA

Tel: +86-577-88905587

Fax: +86-577-88905567

Email: info@rayfull.com

sales@rayfull.com

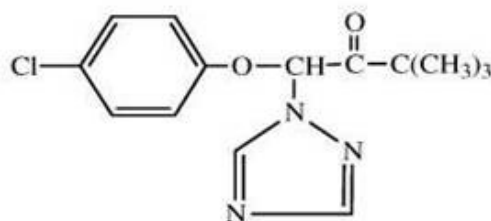
1. Chemical Product Identification

Product Name: Triadimenol

Molecular Formula: $C_{14}H_{18}ClN_3O_2$

Molecular Weight: 295.7

Structural Formula:



Chemical Name: (1RS, 2RS; 1RS, 2SR)-1-(4-chlorophenoxy)-3, 3-dimethyl-1-(1H-1, 2, 4-triazol-1-yl) butan-2-ol

Form: Liquid

Color: white

Odor: Odorless

CAS No.: 55219-65-3

2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Triadimenol	55219-65-3	95.0
Other ingredients		5.0

3. Hazards Identification

Effects of overexposure:

Acute (short term exposure): Exposure to this material causes irritation of the eyes, skin and upper respiratory tract. Uncontrolled exposure could produce symptoms such as difficulty in breathing and drowsiness.

Chronic (Long term exposure): There is limited evidence for carcinogenicity of Traidimenol based on laboratory animal data.

General precautions: Wash hands with soap and water and rinse after handling product. Shower after each shift. Wash all work clothing and completely clean all PPE (personal protective equipment) after each shift.

4. First Aid Measures

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes.

If on skin: Rinse skin immediately with plenty of water for 12-20 minutes.

If inhaled: Move person to fresh air. If person is not breathing, preferably mouth-to-mouth if possible.

If swallowed: Do not give anything by mouth to an unconscious person.

Note to physician: (Antidote) N/E

5. Fire-Fighting Measures

Flash point (Method): >93.3°C

Flammable limits (LEL&UEL): None established

Extinguishing media: Use water spray and other (specify). Do not use foam, dry chemical and carbon dioxide.

Special fire fighting procedures: Wear NIOSH approved self-contained breathing apparatus and full protective clothing. Contain water run-off.

Unusual fire and explosion hazards: In fire situations, toxic and corrosive fumes of hydrogen chloride, hydrazines, amines, oxides of nitrogen, carbon monoxide, and oxides of sulfur may be released.

6. Accidental Release Measures

Steps to be taken in case material is released or spilled: Wear protective equipment. Contain large spills by diking. Absorb with suitable dry absorbent and shovel or sweep up and place into an approved DOT container and seal. Scrub contaminated area with detergent and handle as above. Repeat as necessary.

Reportable quantity (RQ) under CERCLA: None established

7. Handling and Storage

Storage temperatures: None known

Precautions to be taken in handling and storage: Store in a cool, dry place. Do not contaminate water, food or feed by storage, disposal or by cleaning of equipment. Do not

reuse empty container. Open dumping is prohibited. Approximate Freeze Point is 10-15°F.

Other precautions: Harmful if swallowed, inhaled or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Do not breathe vapors. Do not contaminate feed or food. Wash hands, arms and face thoroughly with soap and warm water after handling. Wash contaminated clothing with soap and hot water before reuse.

8. Exposure Controls/Personal Protection

Engineering controls: Local exhaust or general ventilation to maintain exposure below PEL.

Personal protective equipment:

Eye/Face protection: Chemical safety goggles and safety shield.

Hand/Skin protection: Long pants, long-sleeved shirts, and chemical resistant gloves.

Respiratory protection: Dust/mist filtering respirator or a NIOSH approved respirator with any R,P, or HE filter.

Work practices: Wear protective equipment.

9. Physical and Chemical Properties

Appearance and odor: Liquid

Solubility: Miscible

Specific gravity (water=1): 1.06

Bulk density: 8.8lbs. /gal.

Vapour pressure: Not applicable

Boiling point: Not applicable

PH: 5-8

10. Stability and Reactivity

Conditions to avoid: Do not store at elevated temperatures for prolonged periods of time. Protect from repeated freezing and thawing.

Incompatibility with other materials: Strong oxidizing agents, acids.

Hazardous decomposition products: When involved in a fire, may evolve noxious fumes, which may include HCL, hydrazines, amines, nitrogen oxides, and carbon monoxide.

Stability: unstable

Hazardous polymerization: will occur.

11. Toxicological Information

Acute Toxicity

Oral LD₅₀ (rat): 2330mg/kg

Dermal LD₅₀ (rabbit): >1000mg/kg

Inhalation LC₅₀ (rat): >15.3 mg/L/hr (4hrs)

Skin irritation (rabbit): Minimally irritating

Eye irritation (rabbit): Mildly irritating

12. Ecological And Ecotoxicological Information

Toxic to fish. DO not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high watermark. Do not contaminate water when disposing of equipment wash waters. Cover treated seeds that are visible on soil surface, especially in end rows and turn areas. Clean up spilled treated seeds to reduce exposure to wildlife.

13. Disposal Considerations

Pesticide disposal: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill.

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 recipient's sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.