

Section 1. Product and Company Identification

Product Name Tolyltriazole
CAS Number 29385-43-1

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801
☎ (914) 654-6800 ☎ (914) 654-6899
🌐 parchem.com ✉ info@parchem.com

EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Acute Toxicity, Category 4 H302: Harmful if swallowed.
Classification (67/548/EEC, 1999/45/EC): Harmful if swallowed.

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard Statements

H302, Harmful if swallowed

Precautionary Statements

P270 Do not eat, drink, or smoke when using this product.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

Response

P301 + P330 + P331 IF SWALLOWED: rinse mouth. DO NOT induce vomiting.

Disposal

P501 Dispose of contents/container to an approved waste disposal plant.



Section 3. Composition / Information on Ingredients

Common Name Tolyltriazole
Synonym(s) 5-Methylbenzotriazole
CAS Number 29385-43-1

Section 4. First Aid Measures

Emergency first aid procedures by route of exposure

Inhalation: After inhalation of aerosol/vapor/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

Ingestion: Should the product be swallowed seek medical advice. Do NOT induce vomiting.

Skin: Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Eyes: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

General Advice: Symptoms of poisoning may only appear several hours later. When symptoms persist or in all cases of doubt seek medical advice. Remove from exposure, lie down. Never give anything by mouth to an unconscious person.

Section 5. Firefighting Measures

Flash Point: approx. 180°C

Auto-ignition Temperature: None listed

Lower Explosion Limit: None listed

Upper Explosion Limit: None listed

Flammability Classification: None listed

Suitable Extinguishing Media: CO₂, foam, dry powder; for larger fires, water spray should be used.

Products of Combustion: Formation of carbon monoxide, carbon dioxide, and other toxic gases in the event of fire, or during thermal decomposition.

Fire Fighting Equipment/Instructions: Firemen must wear self-contained breathing apparatus. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Section 6. Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid dust formation. Keep away from sources of ignition.

Environmental Precautions: Prevent discharge to open bodies of water, municipal sewers, watercourses, and soil.

Methods for Clean-up: Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area with water. Avoid dust formation.

Section 7. Handling and Storage

Handling: Use only with adequate ventilation and, if necessary, exhaust ventilation during handling or transferring of the product. Avoid contact with skin and eyes.

Storage: Keep container in a cool, dry, and well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Keep away from foodstuffs, drinks and tobacco.

German storage class: 11 Combustible Solids.

No decomposition if stored and applied as directed.

Section 8. Exposure Controls / Personal Protection

Components with work place control parameters: Contains no substances with occupational exposure limit values.

Environmental exposure controls: Prevent entry into drains, waters, or soil.

Personal Protective Equipment (PPE)

Respiratory Protection: In case of dust formation particle filter, e.g. DIN 3181 P 2.

Eye/Face Protection: Safety glasses.

Hand Protection: Butyl rubber gloves. Chemical-resistant protective gloves according to DIN/EN 374 are recommended. Only suitable for brief exposure. In the event of contamination, change protective gloves immediately.

Hygiene measures: Wash hands before breaks and immediately after handling the product. Keep working clothes separately. Take off all contaminated clothing immediately.

Protective measures: When handling observe the usual precautionary measures for chemicals.

Section 9. Physical and Chemical Properties

Appearance: Granular

Color: Light beige

Odor: Slightly

Odor threshold: Not listed

pH: approx. 7 at 1.00 g/l

Melting point/freezing point: 82 - 88°C

Initial boiling point and boiling range: > 200°C

Flash point: approx. 180° C

Evaporation rate: Not applicable

Flammability: Not Listed

Upper/lower flammability or explosive limit: Not Listed

Vapor pressure: Not Listed

Vapor density: Not Listed

Relative density: approx. 1.13 g/cm³ at 100°C

Solubility: approx. 5 g/l at 20°C
Partition coefficient (n-Octanol/Water): log Pow: 2.10
Auto-ignition temperature: approx. 400°C
Decomposition temperature: Not Listed
Viscosity: Not applicable

Section 10. Stability and Reactivity

Reactivity: None listed
Chemical stability: None listed
Possibility of hazardous reactions: None listed
Conditions to avoid: Extremes of temperature and direct sunlight.
Incompatibly materials: Keep away from reducing agents, oxidizing agents, acids, and bases.
Hazardous decomposition products: Does not occur until flash point reached. Exothermic reaction above 160°C.

Section 11. Toxicological Information

Facilities storing or utilizing this material should be equipped with eyewash and safety shower facilities. See section 3 for exposure limits.

Acute oral toxicity: LD50: approx. 720 mg/Kg Species: rat
Skin irritation: Species Rabbit Non-irritant Exposure time: 4h
Eye irritation: Species: Rabbit Non-irritant

Section 12. Ecological Information

Ecotoxicity

Toxicity to fish

LC50: approx. 64 mg/l Exposure time: 96 h Species: Zebra barbell (Danio rerio)

Toxicity to daphnia and other aquatic invertebrates

EC50: > 37.6 mg/l Exposure time: 21 d Species Daphnia magna

NOEC: 18.4 mg/L

Toxicity to algae

EC50: 62 mg/l Exposure time 72 h Species: Green algae (Desmodesmus subspicatus)

EC50: 32 mg/l Exposure time: 72h Species: Green algae (Desmodesmus subspicatus)

Toxicity to bacteria

EC50: 330 mg/l Species: activated sludge micro-organism

Mobility: None Listed

Persistence and Degradability: Biodegradability: Biochemical oxygen demand approx. 4%
Method: OECD Guideline for testing of Chemicals, No. 301 C.

Remarks: According to the results of the tests of biodegradability this product is not readily biodegradable. In a modified degradation test according to ZAHN-WELLENS, after 28 days of primary degradation of approx. 70% was found

Bioaccumulative Potential: None Listed

Results of PBT Assessment: None Listed

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Not dangerous cargo. Keep dry. Stow at a cool place, susceptible to heat. Keep separated from foodstuffs.

Section 15. Regulatory Information

National legislation

Water contamination class (Germany) WGK 2: water endangering (VWWWS A3)

Notification Status: All ingredients are on the following inventories or are exempted from listing: REACH; TSCA; ALCS; DSL; ENCS (JP); ISHL (JP); KECI (KR); PICCS (PH); INV (CN); NZIOC; CH INV

Classification: N/A

Risk Phrases: N/A

Safe Phrases: N/A

Labeling: N/A

Signal Word: N/A

Hazard Statement: N/A

Precautionary statements: N/A

Supplement Hazard statements: N/A

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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