

SAFETY DATA SHEET

Tolyltriazole

SECTION 1: Identification of the substance / mixture and of the company / undertaking

Product Identifier

Product name	Tolyltriazole
Chemical Name	4-Methyl-1H-benzotriazole;4-methyl-1H-1,2,3-benzotriazole (derived from CAS #)
Synonyms	TTA;4-TTA
Chemical formula	C7H7N3
CAS number	29385-43-1
Other means of identification	Not available

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Not Available
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Details of the manufacturer or supplier of the safety data sheet

Registered company name	COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED	
Address	FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.	
Website	www.scimplify.com	
Email	info@scimplify.com	

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008 [CLP] and amendments	H302 - Acute Toxicity (Oral) Category 4 H312 - Acute Toxicity (Dermal) Category 4 H332 - Acute Toxicity (Inhalation) Category 4
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Label elements

Hazard pictogram(s)	
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Signal word	Warning
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Hazard statement(s)

H302; H312; H332	Harmful if swallowed; in contact with skin; if inhaled.
H412	Harmful to aquatic life with long lasting effects; Aquatic Chronic 3.

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P261; P264	Avoid breathing dust/fumes; Wash all exposed external body parts thoroughly after handling.
P270; P271	Do not eat, drink or smoke when using this product; Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and protective clothing.

Precautionary statement(s) Response

P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P330	Rinse mouth.
P362+P364	Take off contaminated clothing and wash it before reuse.

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.
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SECTION 3: Composition / information on

IngredientsSubstances

CAS No	%[weight]	Name	Classification according to regulation (EC) No 1272/2008 [CLP] amendments	SCL / M-Factor
29385-43-1	100	<u>Tolytriazole</u>	AcuteToxicity (Oral) Category 4; Acute Toxicity (Dermal) Category 4, Acute Toxicity (Inhalation) Category 4.; (H302, H312, H332) ^[1]	Not Available

Legend: 1. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

Mixtures

See section above for composition of Substances

SECTION 4: First aid measures

Description of first aid Response

Eyes	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice/help.
Inhalation	Inhalation of aerosol/vapor/dust: Take the personal to fresh air; in case there is difficulty in breathing, medical advice is required.
Ingestion	If 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, seek medical help.
General Advice	Symptoms of poisoning usually appear several hours later. Remove from exposure, lie down. Never give anything by mouth to an unconscious person. . When symptoms persist or in all cases of doubt seek medical advice.

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Indication of any immediate medical attention and special treatment needed

Treat symptomatically and seek medical help/advise.

SECTION 5: Firefighting Measures

Flash Point	180 °C.
Lower/Upper Explosion Limit	None listed
Auto-ignition Temperature	None listed
Flammability Classification	None listed.
Suitable Extinguishing Media	Carbon dioxide (CO ₂) foam and dry powder. For intense fires, water spray should be used.
Products of Combustion	Carbon monoxide (CO), carbon dioxide (CO ₂), and other toxic gases (containing nitrogen) in the event of fire, or during thermal decomposition.
Advice for fire fighters:	Use firefighting procedures suitable for surrounding area. DO NOT approach containers suspected to be hot. Wear breathing apparatus plus protective gloves in the event of a fire. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor spills	Clean up all spills immediately. Avoid contact with skin and eyes. Wear impervious gloves and safety glasses. Use dry clean up procedures and avoid generating dust. Vacuum clean Do NOT use air hoses for cleaning. Place spilled material in clean, dry, sealable, labelled container.
Major spills	Clear area of personnel and move upwind. Control personal contact with the substance, by using protective equipment and dust respirator. Alert Fire Brigade and tell them location and nature of hazard. Prevent spillage from entering drains, sewers or water courses. Avoid generating dust. Sweep, shovel up. Recover product wherever possible. Put residues in labelled plastic bags or other containers for disposal. If contamination of drains or waterways occurs, advise emergency services.
General rule for all spills	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.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7: Handling and storage

Precautions for safe handling

Safe handling	Limit all unnecessary personal contact. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Use good occupational work practice. Limit all unnecessary personal contact
Container	Plastic pail/ Polyliner drum/ Lined metal pail or can. Check all containers are clearly labelled and free from leaks. Packing as recommended by manufacturer.

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SECTION 8: Exposure controls / personal

protectionControl parameters

Occupational Exposure Limits (OEL)	Not Available.
Environmental exposure controls	Prevent entry into drains, waters, or soil.
Individual protection measures, such as Personal Protective Equipment (PPE)	
Hand Protection	Chemical-resistant protective gloves according to DIN/EN 374 are recommended. Butyl rubber gloves best suitable for brief exposure. In the event of contamination, change protective gloves immediately.
Eye/Face Protection	Use Chemical goggles [AS/NZS 1337.1, EN166 or national equivalent]. Safety glasses with side shields are recommended. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.
Respiratory Protection	Try to avoid creating dust conditions. Type-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent). Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9: Physical and chemical properties Information on basic physical and chemical properties

Appearance	Not Available		
Physical state	Solid	Relative density (Water = 1)	Not Available
Odour	Faint to no odor	Partition coefficient n-octanol / water	1.081 at 25°C
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	87	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	160°C	Molecular weight (g/mol)	Not Available
Flash point (°C)	-180	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Applicable
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	14.3Pa at 25°C	Gas group	Not Available
Solubility in water	<0.01 g/100 mL at 18 °C	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	4.6 relative to air	VOC g/L	Not Available

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SECTION 10: Stability and reactivity

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous decomposition/polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11: Toxicological information

Information on toxicological effects

Inhaled	The material is graded with Acute toxicity 4. As a good hygiene practice keep the exposure to a minimum and suitable control measures be used in handling/storing.
Ingestion	The material is graded with Acute toxicity 4. As a good hygiene practice keep the exposure to a minimum and suitable control measures be used in handling/storing.
Skin Contact	The material has NOT been classified by EC Directives or other classification systems as "harmful". This is because of the lack of corroborating animal or human evidence.
Eye	The material is graded with Eye irritation 2A. As a good hygiene practice keep the exposure to a minimum and suitable control measures be used in handling/storing.
Chronic	The material has NOT been classified by EC Directives or other classification systems as "harmful". This is because of the lack of corroborating animal or human evidence. As a safety precaution exposure by all routes should be minimized as a matter of course.

1. Value obtained from Europe ECHA Registered Substances - Acute toxicity

SECTION 12: Ecological information

Toxicity

Persistence: Water/Soil	No Data available for all ingredients.
Persistence: Air	No Data available for all ingredients.
Mobility in soil	No Data available for all ingredients.
Bioaccumulation	No Data available for all ingredients.
Marine Pollutant	No Data available for all ingredients.

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. US EPA, Ecotox database - Aquatic Toxicity Data

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SECTION 13: Disposal considerations

Waste treatment methods

Product/Packing disposal	Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations. Bury residue in an authorised landfill. Recycle whenever possible.
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SECTION 14: Transport information

Labels Required

Land transport (ADR)	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.
Inland waterways transport (ADN)	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.
Air transport (ICAO-IATA / DGR)	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.
Sea transport (IMDG-Code / GGVSee)	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.

SECTION 15: Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

Tolyltriazole is found on the following regulatory lists

Europe EC Inventory

European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

National Inventory Status

National Inventory	Status
Australia - AIC / AustraliaNon-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (Tolyltriazole)
China - IECSC	Yes
Europe - EINEC / ELINCS/NLP	Yes
Japan - ENCS	No (Tolyltriazole)
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - FBEPH	Yes
Legend:	<p>Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.</p>

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SECTION 16: Other information

SDS Version Summary

Version	Update	Details
1.0	14/08/2024	SDS is prepared using information available from official and authoritative sources such as EINECS, EU CEN Standards, US EPA, IUCLID Toxicity Data. 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.