SAFETY DATA SHEET

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TCI EUROPE N.V.

According to 1907/2006/EC, Article 31

Revi	sion number: 2	Revision date: 07/11/2022
SECTION 1: Identification of the su	Ibstance/mixture and of the company/un	dertaking
1.1 Product identifiers		
Product name:	1,2,4-Triazole	
Product code:	T0340	
.2 Relevant identified uses of the sub- Identified uses:	stance or mixture and uses advised against Reagents.	
.3 Details of the supplier of the safety	data sheet	
Supplier:		
TCI EUROPE N.V. Boerenveldseweg 6		
Haven 1063		
B-2070 Zwijndrecht		
Telephone: +32(0)3 735 07 00		
E-mail: sales-eu@tcichemicals	com	
.4 Emergency telephone number:	+32(0)70 245 245	
SECTION 2: Hazards identification		
2.1 Classification of the substance or n		
Acute toxicity (Oral)	Category 4	
Serious eye damage/eye irritation	Category 2	
Reproductive toxicity	Category 1B	
2.2 Label elements Pictograms or hazard symbols	Danger H302-Harmful if swallowed.	
Hazard statements		
	H319-Causes serious eye irritation. H360FD-May damage fertility. May damage th	a unharn child
Precautionary statements	P201-Obtain special instructions before use.	
Trecautionary statements	P270-Do not eat, drink or smoke when using the P264-Wash hands and face thoroughly after h P280-Wear protective gloves, protective clothite P305+P351+P338+P337+P313-IF IN EYES: F contact lenses, if present and easy to do. Control or attention.	andling. ng, face protection. Rinse cautiously with water for several minutes. Remove tinue rinsing. If eye irritation persists: Get medical advice
) 2 Other hererde	P308+P313-IF exposed or concerned: Get me	
.3 Other hazards Results of PBT and vPvB assessmer	Dust explosion possible if in powder or granula	מרוסחוו, הוואכע שונו מו.
PBT:	Not applicable	
vPvB:	Not applicable	
SECTION 3: Composition/informat .1 Substances	ion on ingredients	
Components:	1,2,4-Triazole	
Percent:	>99.0%(GC)	
CAS RN:	288-88-0	
EC-No:	206-022-9	
Synonyms:	Pyrrodiazole	
Chemical Formula:	C ₂ H ₃ N ₃	
T0240	1.2.4 Triazola	Page 1 of 5
T0340	1,2,4-Triazole	r age i or

SECTION 4: First aid measures	
4.1 Description of first aid measure	S
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.
Skin contact:	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Get medical advice/attention.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get medical advice/attention.
Ingestion:	Get medical advice/attention.Rinse mouth.
Protection of first-aiders:	A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

^{4.2} Most important symptoms and effects, both acute and delayed No data available

4.3 Indication of any immediate medical attention and special treatment needed No data available

SECTION 5: Firefighting measures		
5.1 Extinguishing media		
Suitable extinguishing media:	Dry chemical, foam, water spray, carbon dioxide.	
5.2 Special hazards arising from the substance or mixture	Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume. Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx)	
5.3 Advice for firefighters	Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so. When extinguishing fire, be sure to wear personal protective equipment	
SECTION 6: Accidental release mea	asures	
6.1 Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc	
6.2 Environmental precautions	Prevent product from entering drains	
6.3 Methods and materials for containment and cleaning up	Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.	
6.4 Reference to other sections	For disposal see section 13.	
SECTION 7: Handling and storage		
7.1 Precautions for safe handling	Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a closed system if possible. Use a local exhaust if dust or aerosol will be generated. Avoid all contact!	
7.2 Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Store in a cool and dark place. Store locked up. Store away from incompatible materials such as oxidizing agents.	
7.3 Specific end use(s)	No further relevant information available.	
SECTION 8: Exposure controls/per		
8.1 Control parameters	No data available	
8.2 Exposure controls	Install a closed system or local exhaust. Also install safety shower and eye bath.	
Respiratory protection:	Dust respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.	
Hand protection: Eye protection:	Impervious gloves. Safety goggles. A face-shield, if the situation requires.	
Skin and body protection:	Impervious protective clothing. Protective boots, if the situation requires.	

SECTION 9: Physical and chemical	SECTION 9: Physical and chemical properties	
9.1 Information on basic physical and chemical properties		
Physical state (20°C):	Solid	
Form:	Crystal - Powder	
Colour:	White - Slightly pale yellow	
Odour:	Characteristic	
pH:	8 (20°C)	
Melting point/freezing point:	121°C	
Boiling point/range:	260°C	
Flash point:	No data available	
Evaporation rate(Butyl Acetate=1):	No data available	
Flammability(solid, gas):	No data available	
Flammability or explosive limits:		
Lower:	No data available	
Upper:	No data available	
Vapour pressure:	No data available.	
Vapour density:	No data available	
Relative density:	No data available	
Solubility(ies):		
[Water]	Very soluble (125g/100mL, 20°C)	
[Other solvents]		
Very soluble:	Alcohols	
Soluble:	Ethyl acetate	
Slightly soluble:	Chloroform, Xylene	
Very slightly soluble:	Ether, Benzene	
Partition coefficient:	-0.6	
n-octanol/water:		
Autoignition temperature:	490°C	
Decomposition temperature:	No data available	
Dynamic Viscosity:	No data available	
Kinematic viscosity:	No data available	
9.2 Other safety information	No data available	
SECTION 10: Stability and reactivity		
10.1 Reactivity	No data available	
10.2 Chemical stability	Stable under proper conditions.	
10.3 Possibility of hazardous reactions	Dust explosion possible if in powder or granular form, mixed with air.	

10.5 Incompatible materials Oxidizing agents, Strong acids

10.6 Hazardous decomposition products Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx)

Static discharge

10.4 Conditions to avoid

Information on toxicological effect	S	
Acute Toxicity:	orl-rat LD50:1375 mg/kg	
	skn-rat LD50:3129 mg/kg	
	skn-rbt LDLo:2000 mg/kg	
Skin corrosion/irritation:	skn-rbt 0.5 g MLD	
Serious eye damage/irritation:	eye-rbt 50 mg SEV	
Respiratory or skin sensitization:	No data available	
Germ cell mutagenicity:	No data available	
Carcinogenicity:		
IARC =	No data available	
NTP =	No data available	
Reproductive toxicity:	orl-rat TDLo:1000 mg/kg (6-15D preg)	
STOT-single exposure:	No data available	
STOT-repeated exposure:	No data available	
Aspiration hazard:	No data available	
RTECS Number:	XZ3806000	

SECTION 12: Ecological informat	ion		
12.1 Toxicity Fish:	No data availabla		
	No data available		
Crustacea:	No data available		
Algae:	No data available		
12.2 Persistence and degradability	No data available		
12.3 Bioaccumulative potential	3		
12.4 Mobility in soil			
Log Pow:	-0.6		
Soil adsorption (Koc):	5		
Henry's Law (PaM ³/mol):	0.15		
12.5 Results of PBT and vPvB assess	ment		
PBT:	Not applicable		
vPvB:	Not applicable		
12.6 Other adverse effects	No data available		
SECTION 13: Disposal considera	tions		
13.1 Waste treatment methods			
disposing of the substance.			
14.1 UN number	Not listed		
14.2 UN proper shipping name			
ADR/RID	Not listed		
IMDG/IMO	Not listed		
ICAO/IATA	Not listed		
14.3 Transport hazard class(es)			
ADR/RID	Does not correspond to the classification standard of the United Nations		
IMDG/IMO	Does not correspond to the classification standard of the United Nations		
ICAO/IATA	Does not correspond to the classification standard of the United Nations		
14.4 Packaging group			
ADR/RID	-		
IMDG/IMO	-		
ΙCAO/ΙΑΤΑ	-		
14.5 Environmental hazards			
Marine pollutant	-		
14.6 Special precautions for user	No data available		
SECTION 15: Regulatory informa	tion		
15.1 Safety, health and environmental Water Hazard Classes (WGK) :	5.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Water Hazard Classes (WGK) : Class 2 - Hazard to waters		
Substance of Very High Concern (SVHC) according to the Not listed REACH Regulations (EC) No.1907/2006 Not listed			

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information	
Prepared by: Issue date:	TCI EUROPE N.V. 07/11/2022

This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

End of Safety Data Sheet