CI TCI EUROPE N.V.

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Revi	sion number: 1	Revision date: 10/02/2018
SECTION 1: Identification of the su	bstance/mixture and of the company	//undertaking
1.1 Product identifiers		
Product name:	Triethyl Phosphonoacetate	
Product code:	D1523	
1.2 Relevant identified uses of the subs Identified uses:	tance or mixture and uses advised again Reagents.	st
1.3 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	
1.4 Emergency telephone number:	+32(0)70 245 245	
SECTION 2: Hazards identification		
2.1 Classification of the substance or n		
Skin corrosion/irritation	Category 2 Category 2	
Serious eye damage/eye irritation Long-term aquatic hazard	Category 2 Category 2	
Long-term aquatic hazard	Calegory 2	
2.2 Label elements Pictograms or hazard symbols		
Signal word	Warning	
Hazard statements	H315-Causes skin irritation.	
	H319-Causes serious eye irritation.	
	H411-Toxic to aquatic life with long lasting	J effects.
Precautionary statements	P273-Avoid release to the environment.	
	P264-Wash hands and face thoroughly af	
	P280-Wear protective gloves, eye protecti	ion. ON OKINE Masteriation for the factor of the initiality of the second
		ON SKIN: Wash with plenty of water. If skin irritation occurs:
		contaminated clothing and wash it before reuse. ES: Rinse cautiously with water for several minutes. Remove
		Continue rinsing. If eye irritation persists: Get medical advice
	or attention.	
	P391-Collect spillage.	
2.3 Other hazards		
Results of PBT and vPvB assessmer		
PBT:	Not applicable	
vPvB:	Not applicable	
SECTION 3: Composition/informat	ion on ingredients	
3.1 Substances		
Components:	Triethyl Phosphonoacetate	
Percent:	>97.0%(GC)	
CAS RN:	867-13-0	
EC-No:	212-757-6	
Synonyms:		Ethyl Diethylphosphonoacetate, Phosphonoacetic Acid
Chemical Formula:	Triethyl Ester CଃH17O₅P	
D1523	Triethyl Phosphonoaceta	te Page 1 of 5
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Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell. Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Get medical advice/attention if you feel unwell. Rinse mouth.				
		A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.		
		cts, both acute and delayed		
		I attention and special treatment needed		
Developminal for an united entropy and an allocida				
Dry chemical, foam, water spray, carbon dioxide. Solid streams of water				
Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume. Carbon dioxide, Carbon monoxide, Phosphorus oxides				
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				
pasures				
Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc				
Be careful not to let it flow into rivers, etc., since adverse effects on the environment are concerned				
Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, earth, saw-dust). In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.				
For disposal see section 13.				
Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent generation of vapour or mist. Wash hands and face thoroughly after handling. Use a ventilation, local exhaust if vapour or aerosol will be generated. Avoid contact with skin, eyes and clothing.				
Keep container tightly closed. Store in a cool and dark place. Store away from incompatible materials such as oxidizing agents.				
No further relevant information available.				
rsonal protection				
No data available				
Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.				
Vapor respirator. Follow local and national regulations.				

SECTION 9: Physical and chemical properties 9.1 Information on basic physical and chemical

1 Information on basic physical and chemical properties	
Physical state (20°C):	Liquid
Form:	Clear
Colour:	Colorless - Slightly pale yellow
Odour:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Boiling point/range:	145°C /1kPa
Flash point:	165°C
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:	1.12
Solubility(ies):	
[Water]	Very slightly soluble (Decomposes)
[Other solvents]	
Soluble:	Ethanol, Toluene
Partition coefficient:	No data available
n-octanol/water:	
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Dynamic Viscosity:	No data available
Kinematic viscosity:	No data available
2 Other safety information	No data available

9.2 Other safety information

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	No special reactivity has been reported.	
10.4 Conditions to avoid	No data available	
10.5 Incompatible materials	Oxidizing agents	

10.6 Hazardous decomposition products Carbon dioxide, Carbon monoxide, Phosphorus oxides

SECTION 11: Toxicological information

1.1 Information on toxicological effects	
Acute Toxicity:	ihl-mus LCLo:1180 mg/m ³ /10M
	orl-rat LD:>500 mg/kg
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	
IARC =	No data available
NTP =	No data available
Reproductive toxicity:	No data available
STOT-single exposure:	No data available
STOT-repeated exposure:	No data available
Aspiration hazard:	No data available
RTECS Number:	AG9800000

Fish:	No data available
Crustacea:	No data available
Algae:	No data available
2.2 Persistence and degradability	No data available
2.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	
Log Pow:	No data available
Soil adsorption (Koc):	No data available
Henry's Law (PaM ³/mol):	No data available
12.5 Results of PBT and vPvB assess	
PBT:	Not applicable
vPvB:	Not applicable
12.6 Other adverse effects	No data available
SECTION 13: Disposal considera	itions
	nsult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an
13.1 Waste treatment methods Recycle to process, if possible. Con afterburner and scrubber system. O	nsult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an Observe all federal, state and local regulations when disposing of the substance.
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14.6 Special precautions for user

Marine pollutant

No data available

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Substance of Very High Concern (SVHC) according to the Not listed REACH Regulations (EC) No.1907/2006

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information	
Prepared by:	TCI EUROPE N.V.
Issue date:	10/02/2018

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 "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration 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