CI TCI EUROPE N.V.

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product name: Topotecan Hydrocholoride Product name: Topotecan Hydrocholoride Product name: Topotecan Hydrocholoride Product name: Topotecan Hydrocholoride Product name: Reagents. 1.3 Details of the supplier of the safety data sheet Supplior: Supplior: TCI EUROPE N.V. Boerrovideswag 6 Haven 1063 B-2/070 Zwindrecht 42(0)70 245 245 SECTION 2: Hazards Identification Category 12 2.1 Classification of the substance or mixture Category 2 Reproductive estimation of the substance or mixture Category 2 Classification of the substance or mixture Category 2 2.1 Classification of the substance or mixture Category 2 Classification of the substance or mixture Category 2 2.1 able olements H340-May cause genetic detects. H351-Suspected of causing cancer. H361-Suspected of damaging fertily. Suspected of damaging the unbom child. P202-Do not handle until al safety precautions have been read and understood. P202-Do not handle until al safety precautions have been read and understood. P202-Do not handle until al safet	Re	vision number: 1	Revision date: 05/16/2022
1.1 Product identifiers Product name: Topotecan Hydrocholoride Product code: T2795 1.2 Relevant identified uses of the substance or mixture and uses advised against identified uses: Reagents. 1.3 Details of the supplier of the safety data sheet Supplier: TCIELUOPE N.V. Topotecon Hydrocholoride B-2070 Zwindrecht B-2070 Zwindrecht B-2070 Zwindrecht +32(0)70 245 245 SECTION 2: Hazards identification 21 2.1 Glassification of the substance or mixture This product does not meth the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 Germ cell mutagenicity Category 12 Category 12 Category 2 2.1 classification of the substance or mixture This product viet toxicity This productive toxicity Category 2 2.1 classification of the substance of nature toxic productive toxicity Category 2 2.1 classification of the substance of nature toxic productive toxicity Category 2 Pictograms or hazard symbols P201-Obtain special instructions before use. Procountion state to P213-IF aposed or concerned: Cell medical advice or atternion. P202-Do not handle until all safety precautions have been read and understood. P201-D	SECTION 1: Identification of the	substance/mixture and of the c	ompany/undertaking
Product code: T2795 1.2 Relevant identified uses of the substance or mixture and uses advised against identified uses: Reagents. 1.3 Details of the supplier of the safety data sheet Supplier. TCIEUROPE N.V. Boerenveldsweg 6 Havar 1063 B-2070 Zwijnfercht Telephone: 432(0)7 255 70 0 E-mail: sales-eut98tchemicals.com Image: Comparison of the substance or mixture The product does not meet the oriteria for classification in any hazard class according to Regulation (EC) No 1272/2008 Germ cell mutagenicity 2.1 Classification of the substance or mixture This product does not meet the oriteria for classification in any hazard class according to Regulation (EC) No 1272/2008 Germ cell mutagenicity Category 1B Carcinogenicity Category 2 2.2 Label elements Picograms or hazard symbols Danger Hazard statements Precautionary statements Danger Hazard statements Precautionary statements Danger Hazard statements P200-Dotan special instructions before use. P200-Dotan special instructions before use. P200-Dotan special instructions before use. P200-Dotan special instructions before use. P200-Dotan special instructions before use. P200-Wear protective gloves, protective clothing, face protection. P306-P313/F expecied or concerned: Get medical advice or attention. P306-P313/F expecied or contents/container through a waste management company authorized by the local government. 2.3 Other hazards Toptecan Hydrocholoide Percent: Stree Icoked up. P31-Dispose of contents/container through a waste management company authorized by the local government. 2.3 Other hazards Results of			
1.2 Relevant identified uses of the substance or mixture and uses advised against Reagents. 1.3 Details of the supplier of the safety data sheet Supplier. TCLEUROPE N.V. Boaronvelsawag 6 Haven 1063 B-2070 Zwijndrecht Telephone: 422(0)375 07 00 E-mail: sales-eu Bitchemicals.com 1.4 Emergency telephone number: +32(0)70 245 245 SECTION 2: Hazards identification 2.1 Classification of the substance or mixture This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 Germ cell mutagenicity Category 18 Carcinogenicity Category 2 2.2 Label elements Pictograms or hazard symbols View Category 2 2.2 Label elements Pictograms or hazard symbols Pictograms or contents/Content in Bitcher Contents/Container through a waste management company authorized by the local government. 2.3 Other hazards 2.4 Classessmott Pictograms or contents/Container through a waste management company authorized by the local government. 2.3 Other hazards Steps Composition/Information on Ingredication Page Page Page Page Page Page Page Page	Product name:	Topotecan Hydrocholoride	
Identified uses: Reagents. 1.3 Details of the supplier of the safety data sheet Supplier: TCI EUROPE N.V. Bosenvoldsoweg 6 Haven 1003 B-2070 Zwijndrecht Telephone: 4:32(0) 3735 07 00 Ermäl: sales-eu@itchemicals.com 1.4 Emergency telephone number: +32(0)70 245 245 SECTION 2: Hazards identification 2.1 Classification of the substance or mixture This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 Germ cell mutagenicity Category 2 2.2 Label elements Pictograms or hazard symbols Victograms or hazard symbols Pictograms or hazard symbols Precautionary statements H30-May cause genetic defects. H31-Suspected of causing cancer. H331-Suspected or causing cancer. <td>Product code:</td> <td>T2795</td> <td></td>	Product code:	T2795	
Supplier: TOL EUROPE N.V. Boerenveldsweg 6 Haven 1063 B-2070 Zwijndrecht Telephone +-32(0) 73 50 7 00 E-mail: sales-eu@tichemicals.com 1.4 Emergency telephone number: +32(0)70 245 245 SECTION 2: Hazards identification			ed against
TCI EUROPE N.V. Boernveldseweg 6 Haven 1083 B-2070 Zwijndrecht Telephone: -320(3) 735 07 00 E-mail: sales-eu@tcichemicals.com 1.4 Emergency telephone number: +32(0)70 245 245 Sectron 2: Hazards identification 2.1 Classification of the substance or mixture This product does not meet the onteria for classification in any hazard class according to Regulation (EC) No 1272/2008 Germ cell mutagenicity Category 1B Carcinogenicity Category 2 Reproductive toxicity Category 2 2.1 Label elements Pictograms or hazard symbols Fletograms or hazard symbols H337-Suspected of clausing cancer. H3371-Suspected of concented: Get medical advice or attention. P202-Do not handle until all safety precautions have been read and understood. P202-Waer protective clouse, protec		y data sheet	
B-2070 Zvijndrecht Telephone: -32(0) 735 07 00 E-mail: sales-eu@tdichemicals.com 1.4 Emergency telephone number: +32(0)70 245 245 SECTION 2: Hazards identification 2.1 Classification of the substance or mixture This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 Germ cell mutagenicity Category 1B Category 2 2.2 Label elements Pictograms or hazard symbols Signal word Hazard statements Pictograms or hazard symbols Danger Hazard statements Pictograms or hazard symbols Precautionary statements Precautionary statements Precautionary statements P202-Do not handle until all safety precautions. HaSi for Suspected of damaging the unborn child. Precautionary statements P202-Do not handle until all safety precautions. HaSi for Suspected of damaging the unborn child. P202-Over protective gloves,	TCI EUROPE N.V. Boerenveldseweg 6		
Telephone: +32(0)3 725 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 mixture This product does not meet the citteria for classification in any hazard class according to Regulation (EC) No 1272/2008 Gern cell mutagenicity Category 18 Gern cell mutagenicity Category 2 2.1 Label elements Pictograms or hazard symbols Flexard statements H340-May cause genetic defects. Hazard statements H340-May cause genetic defects. H351f-Suspected of causing cancer. H381f-Suspected of damaging fertility. Suspected of damaging the unborn child. Precautionary statements P201-Obtain special instructions before use. P202-Do not handle until all setty proceutions. P308+P313+F suspected of causing cancer. P380-Wear protective clothing, face protection. P308+P313+F suspected of causing cancer. P380-Wear protective clothing, face protection. P308+P313+F suspected of causing cancer. P380-Wear protective clothing, face protection. P308+P313+F suspected of causing cancer. P405-Store locked up. P501-Dispose of contents/container through a waste management company authorized by the local government. <t< td=""><td></td><td></td><td></td></t<>			
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 mixture This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 Gern cell mutagenicity Category 1B Carcinogenicity Category 2 2.2 Label elements Pictograms or hazard symbols Signal word Hazard statements H340-May cause genetic defects. H331-Suspected of causing cancer. H331-Suspected of damaging fertility. Suspected of damaging the unborn child. Precautionary statements P201-Obtain special instructions before use. P202-Do not handle until all Safety proceutions have been read and understood. P280-Wear protective clothing, face protection. P308+P313-H stypesed of contents/container through a waste management company authorized by the local government. 2.3 Other hazards Results of PBT and vPvB assessment PBT: Not applicable SECTION 3: Composition/information on ingredients Singulatates Components: PBT: Not applicable SECTION 3: Composition/information on ingredients (49)-104/(101)-40-folloride Percent: 95.0%((HPLC)(T) CAS RN: 119413-54-6 Synonyms: Notgiven Hydrocholoride, (49)-104/(Climethylanino)methyl]-4-ethyl-4.9-dihydroxy-1H-pyrano[3',4':5.7]indolizino[1,2-b]quinoline: 14(4+1,22+).dime hydrocholoride Percent: Cancel Components: Note applicable Note Participe Percent: Cancel Components: Note Participe Percent: Note Participe Percent: Cancel Components: Note Particable Percent: Not P		0	
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Percent: >95.0%(HPLC)(T) CAS RN: 119413-54-6 Synonyms: Nogitecan Hydrocholoride , (4S)-10-[(Dimethylamino)methyl]-4-ethyl-4,9-dihydroxy-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3 14(4H,12H)-dione Hydrochloride		- · · · · · · ·	
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14(4H,12H)-dione Hydrochloride	Synonyms:		4 athul 4.0 dihudrovu 14 puropolal 446 Zindoliziool4.0 histoizaliza 0
Chemical Formula: C23H23N3O5+HCl	Chemical Formula:		-4-euryi-4,9-ainyaroxy-1H-pyrano[3,4:6,7jindoli2ino[1,2-bjquinoline-3,
	enemiouri orniula.		

SECTION 4: First aid measures	
4.1 Description of first aid measures	
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 effec No data available	ts, both acute and delayed
4.3 Indication of any immediate medical No data available	attention and special treatment needed
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 monoxide, Carbon dioxide, Nitrogen oxides (NOx), Hydrogen chloride
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,	Keep container tightly closed. Store in a cool and dark place. Store under inert gas.
including any incompatibilities	Protect from moisture.
	Store locked up. Store away from incompatible materials such as oxidizing agents. Hygroscopic
7.3 Specific end use(s)	No further relevant information available.
SECTION 8: Exposure controls/pers 8.1 Control parameters	Sonal protection 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:	Impervious gloves.
Eye protection: Skin and body protection:	Safety goggles. A face-shield, if the situation requires. Impervious protective clothing. Protective boots, if the situation requires.

SECTION 9: Physical and chemical properties

SECTION 9: Physical and chemical		
9.1 Information on basic physical and cl	Solid	
Physical state (20°C):	Yellow	
Colour:		
Odour:	No data available	
pH:	No data available	
Melting point/freezing point:	215°C (dec.)	
Boiling point/range:	No data available	
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]	No data available	
[Other solvents]	No data available	
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	
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	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 monoxide, Carbon dioxide, Nitrogen oxides (NOx), Hydrogen chloride

SECTION 11: Toxicological inform	ation	
11.1 Information on toxicological effect	S	
Acute Toxicity:	ivn-rat LD50:25 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:	UQ0491400	

SECTION 12: Ecological informat	ION
12.1 Toxicity Fish:	
Crustacea:	No data available No data available
	No data available
Algae:	
12.2 Persistence and degradability	No data available
12.3 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	ment
PBT:	Not applicable
vPvB:	Not applicable
12.6 Other adverse effects	No data available
SECTION 13: Disposal considerat	tions
and burn in a chemical incinerator education disposing of the substance.	sult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent quipped with an afterburner and scrubber system. Observe all federal, state and local regulations when
SECTION 14: Transport information	
14.1 UN number	Not listed
14.2 UN proper shipping name	
ADR/RID	Not listed
IMDG/IMO	Not listed
ΙCAO/ΙΑΤΑ	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	
ICAO/IATA	_

14.5 Environmental hazards	
Marine pollutant	

14.6 Special precautions for user No data available

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: Issue date:	TCI EUROPE N.V. 05/16/2022

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