SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

SECTION 1: Identification of the substance/mixture and of the company/undertaking         11 Product identifies       cis-5-Decene         Product code:       D2183         12 Relevant identified uses of the substance or mixture and uses advised against identified uses:       Reagents.         13 Details of the supplier of the safety data sheet       Supplier.         TOI: EUROPE N.V.       Bergeney to the safety data sheet         Supplier.       TOI: EUROPE N.V.         Toi: EUROPE N.V.       Bergeney to the safety data sheet         Supplier.       TOI: EUROPE N.V.         Telephone: 132(0)3 735 07 00       E-mail: sales-eu/@itcleneinals.com         14 Emergency telephone number:       +32(0)70 245 245         SECTION 2: Heards identification       Category 3         Aspiration hazard       Category 1         21 Classification of the substance or mixture       Hazard statements         Pictograms or hazard symbols       Category 1         22 Label elements       H22F-Flammable liquid and vapour.         Pictograms or hazard symbols       P210-Keep away from heartsparksponen flameshot surfaces No smoking.         P220:-Wear protective gloves, eye protection.       P230-Wear protective gloves, eye protection.         P304-May be fatal if swaltowed and enters airways.       P240-May be fatal if swaltowed and enters airways.         Pr	Re	vision number: 1	Revision date: 10/24/201
Product name:       cis-5-Deceme         Product code:       D2163         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:       TOI EUROPE N.V.         Boernvelosweg 6       Haven 1063         Haven 1063	SECTION 1: Identification of the s	ubstance/mixture and of the company/undertaki	ing
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2. Relevant identified uses: of the substance or mixture and uses advised against Reagents. 3. Details of the supplier of the safety data sheet Supplier: TOLEUROPE N.V. Boerenveidseweg 6 Haven 1063 B-2070 Zwijnfrecht Telephone: +32(0)70 245 245 5. Details alles-eu@leidchemicals.com 4. Emergency telephone number: +32(0)70 245 245 5. Details of the substance or mixture Flammable liquids Category 3 Aspiration hazard Category 1 1. Classification of the substance or mixture Flammable liquids Category 1 2. Label elements Pictograms or hazard symbols Signal word Hazard statements Pictoker away be tatal if swallowed and enters airways. Precautionary statements Pictoker away for heat/spark/spon flames/hot surfaces No smoking. P280-Wear protective glows, eye protection. P301+P31+P331-FS03-FON SKIN (or hair): Take of immediately all a POISON CENTER or doctor. Do NOT ind. vorining. P280-Wear protective glows, eye protection. P304+P31+P331-FS03-FON SKIN (or hair): Take of immediately all contaminated clothing. Rinse skin with water or shower. P403+P235-Store in a well-ventilated place. Keep cool. 3. Other hazards Results of PBT and vPVB assessment PBT: Not applicable vPVB: Not applicable SECTION 3. Composition/information on ingredients. 1. Substances Components: cis-5-Decene Percent: >35,0%(CC) CAS RN: 733-78-5			
Identified uses:       Reagents.         3 Details of the supplier of the safety data sheet         Supplier:         Distribution:         Boeronellosewag 6         Haven 1083         B-2070 Zwijndrecht         Telephone:         +32(0)70 245 245         SECTION 2: Hazards Identification         1         1 Classification of the substance or mixture         Flammable liquids         Aspiration hazard         2 Label elements         Pictograms or hazard symbols         Signal word         Hazard statements         H226-Flammable liquid and vapour.         H304-May be fatal if swallowed and enters airways.         Precautionary statements       H226-Flammable liquid and vapour.         H304-May be fatal if swallowed and enters airways.         Precautionary statements       H226-Flammable liquid and vapour.         H226-Viewar protective glowes, eye protection.       P304-May be fatal if swallowed and enters airways.         Precautionary statements       H226-Flammable liquid and vapour.         H226-Viewar protective glowes, eye protection.       P304-May be fatal if swallowed and enters airways.         P260-Wear protective glowes, eye protection.       P304-P304-P303-IF CONLED: Immediately all contaminated clothing. Rinse skin with water or shower. <td>Product code:</td> <td>D2163</td> <td></td>	Product code:	D2163	
Supplier: TO LEROPE N.V. Boerenveldseweg 6 Haven 1063       Boerenveldseweg 6 Haven 1063         B-2070 Zwijndrecht Telephone +32(03) 735 07 00 E-mail: sales-eu@tcichemicals.com			
Supplier: TO IE UROPE N.V. Boerenveldseweg 6 Haven 1063 B-2070 Zwijnfrecht Telephone: +32(0) 73 50 7:00 E-mail: sales-eu@tcichemicals.com 4 Emergency telephone number: +32(0)70 245 245 SECTION 2: Hazards Identification 11 Classification of the substance or mixture Flammable liquids Aspiration hazard Category 3 Aspiration hazard Category 1 22 Label elements Pictograms or hazard symbols Signal word Hazard statements Precautionary statement	3 Details of the supplier of the safet	/ data sheet	
TCI EUROPE N.V. Boernweldseweg 6 Haven 1063 B-2070 Zwijndrecht Telephone: -320(0) 735 07 00 E-mail: sales-eu@ticichemicals.com 4 Emergency telephone number: +32(0)70 245 245 <u>ECTION 2: Hazards identification</u> 1 Classification of the substance or mixture Flammable liquids Category 3 Aspiration hazard Category 1 2 Label elements Pictograms or hazard symbols V Signal word Hazard statements Pictograms or hazard symbols Pictograms or hazard symbols ECTION 3: Composition/information on ingredients 1 Substances Components: cis-5-Decene Percent: >95.0%(GC) CAS RN: 7433-78-5			
Haven 1063 B-2070 Zwijndrecht Telephone: 1:32(0)3 735 07 00 E-mail: sales-eu@ticichemicals.com 4 Emergency telephone number: +32(0)70 245 245 EECTION 2: Hazard's identification 1 Classification of the substance or mixture Flammable liquids Category 3 Aspiration hazard Category 1 2 Label elements Pictograms or hazard symbols Signal word Hazard statements H226-Flammable liquid and vapour. H304-May be fatal if swallowed and enters airways. Precautionary statements H226-Flammable liquid and vapour. H304-May be fatal if swallowed and enters airways. Precautionary statements H226-Flammable liquid and vapour. H304-May be fatal if swallowed and enters airways. Precautionary statements H226-Flammable liquid and vapour. H304-P31-P331-P331-FISWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT ind. vomiting. P304-P331-P331-FISWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT ind. vomiting. P304-P332-Flamest-FIPA331-FISWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT ind. vomiting. P304-P332-FISWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT ind. vomiting. P304-P332-FISWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT ind. vomiting. P304-P332-FISWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT ind. vomiting. P304-P372-FI ncase of fire: Use dry chemical or dry sand to extinguish. P404-P235-Store in a well-ventilated place. Keep cool. 3 Other hazards Results of PBT and vPvB assessment PBT: Not applicable vPvB: Not applica	TCI EUROPE N.V.		
B-2070 Zwijndrecht Telephone: +32(0)70 245 245 ECTION 2: Hazards identification 1 Classification of the substance or mixture Flammable liquids A spiration active A spiration active Category 3 A spiration hazard 2 Label elements Pictograms or hazard symbols Signal word Hazard statements Pictograms or hazard symbols Signal word Hazard statements Precautionary statements Precautionary statements Pathone: P20-Keep away from heat/sparks/open flames/hot surfaces No smoking. P20-Weep rotective gloves, eye protection. P30-HP310+P331-IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT indu working. P303+P361+P333-IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extingui	Boerenveldseweg 6		
Telephone: 1-32(0)3 735 07 00 E-mail: sales-eu@tcichemicals.com 4 Emergency telephone number: +32(0)70 245 245 ECTION 2: Hazards identification 1 Classification of the substance or mixture Flammable liquids Aspiration hazard Category 1 2 Label elements Pictograms or hazard symbols Signal word Hazard statements H226-Flammable liquid and vapour. H226-Flammable liquid and vapour. H226-Flammable liquid and vapour. H226-Flammable liquid and vapour. H226-Flammable liquid and vapour. H220-Flammable liquid and vapour. H220-Flammable liquid and vapour. H230-H201+P331-Fl SWALLOWED: Immediately all a POISON CENTER or doctor. Do NOT indu vomiting. P301+P310+P331-Fl SWALLOWED: Immediately all contaminated dothing. Rinse skin with water or shower. P303+P361+P333-FF ON SKIN (or hair): Take off immediately all contaminated dothing. Rinse skin with water or shower. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P370+P378-In case of fire: Use dry chemical or dry sand to extinguish. P403+P235-Store in a well-ventilated place. Keep cool. 3 Other hazards Components: dis-5-Decene Porcent: 950:0%(GC) CAS RN: 7433-78-5			
E-mail: sales-eu@tcichemicals.com  4 Emergency telephone number: +32(0)70 245 245  ECTION 2: Hazards identification  1 Classification of the substance or mixture Flammable liquids Aspiration hazard Category 3 Aspiration hazard Category 1  2 Label elements Pictograms or hazard symbols  V  Signal word Hazard statements H226-Flammable liquid and vapour. H226-Flammable liquid and vapour. H304-May be fatal if swallowed and enters airways. Precautionary statements Pictograms or hazard SUBAL Page-Pictore in a well-ventilated place. No smoking. P210-Keep away from heat/sparks/open flames/hot surfaces No smoking. P210-Keep away from heat/sparks/open flames/hot surfaces No smoking. P20+P31+P353-IF ON SKIN (or hair): Take off immediately call a POISON CENTER or doctor. Do NOT indu vomiting. P30+P31+P353-IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P403+P235-Store in a well-ventilated place. Keep cool. 3 Other hazards Results of PBT and vPvB assessment PBT: Not applicable VPvB: Not applicable VPvB: Not applicable CCTION 3: Composition/information on Ingredients 1 Substances Components: cis-5-Decene Percent: >95.0%(GC) CAS RN: 7433-78-5			
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1 Substances         Components:       cis-5-Decene         Percent:       >95.0%(GC)         CAS RN:       7433-78-5	SECTION 3: Composition/informa	tion on ingredients	
Percent:         >95.0%(GC)           CAS RN:         7433-78-5	.1 Substances		
<b>CAS RN:</b> 7433-78-5	Components:		
	Percent:		
Chemical Formula: C <sub>10</sub> H <sub>20</sub>	CAS RN:	7433-78-5	
	Chemical Formula:	C10H20	

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TCI EUROPE N.V.

cis-5-Decene

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 if you feel unwell.
Skin contact:	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact:	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.
Ingestion:	Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.
Protection of first-aiders:	A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

**<sup>4.2</sup> 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

Unsuitable extinguishing media: Wa	y chemical, foam, carbon dioxide.		
Unsuitable extinguishing media: Wa	y chemical, foam, carbon dioxide.		
	ater (It may scatter and spread fire.)		
5.2 Special hazards arising from the Ca substance or mixture	arbon dioxide, Carbon monoxide		
to t fire	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: Keep containers cool by spraying with water. Eliminate all ignition sources if safe to do so. When extinguishing fire, be sure to wear personal protective equipment		
SECTION 6: Accidental release measur	res		
equipment and emergency procedures and	e extra personal protective equipment (self-contained breathing apparatus). Keep people away from d upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be ntrolled around the leakage area by roping off, etc		
6.2 Environmental precautions Pre	event product from entering drains		
containment and cleaning up cas pro ign	psorb spilled material in dry sand or inert absorbent before recovering it into an airtight container. In se of large amount of spillage, contain a spill by bunding. Adhered or collected material should be pomptly disposed of, in accordance with appropriate laws and regulations. Remove all sources of nition. Fire-extinguishing devices should be prepared in case of a fire. Use spark-proof tools and plosion-proof equipment.		
6.4 Reference to other sections For	r disposal see section 13.		
SECTION 7: Handling and storage			
ger me and	andling is performed in a well ventilated place. Wear suitable protective equipment. Prevent neration of vapour or mist. Keep away from heat/sparks/open flame/hot surfacesNo smoking. Take easures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Wash hands d face thoroughly after handling. Use a closed system if possible. Use a ventilation, local exhaust if pour or aerosol will be generated. Avoid contact with skin, eyes and clothing.		
	ep container tightly closed. Store in a cool, dark and well-ventilated place. Store locked up. Store vay from incompatible materials such as oxidizing agents.		
7.3 Specific end use(s) No	o further relevant information available.		
SECTION 8: Exposure controls/persona	al protection		
	data available		
8.2 Exposure controls Ins	stall a closed system or local exhaust. Also install safety shower and eye bath.		
Use	alf or full facepiece respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. se respirators approved under appropriate government standards and follow local and national gulations.		
	pervious gloves.		
	fety goggles. A face-shield, if the situation requires. pervious protective clothing. Protective boots, if the situation requires.		

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

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9.1 Information on basic physical and chemical properties		
Physical state (20°C):	Liquid	
Form:	Clear	
Colour:	Colorless - Almost colorless	
Odour:	No data available	
pH:	No data available	
Melting point/freezing point:	No data available	
Boiling point/range:	60°C /2.7kPa	
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:	0.75	
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	Spark, Open flame, Static discharge	
10.5 Incompatible materials	Oxidizing agents	

10.6 Hazardous decomposition products Carbon dioxide, Carbon monoxide

SECTION 11: Toxicological information			
11.1 Information on toxicological effects	1.1 Information on toxicological effects		
Acute Toxicity:	No data available		
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		

SECTION 12: Ecological informat	tion
12.1 Toxicity	
Fish:	No data available
Crustacea:	No data available
Algae:	No data available
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	
PBT:	Not applicable
vPvB:	Not applicable
12.6 Other adverse effects	No data available
SECTION 13: Disposal considera	tions
13.1 Waste treatment methods	
	sult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an
	bserve all federal, state and local regulations when disposing of the substance.
SECTION 14: Transport informati	ion
14.1 UN number	3295
14.2 UN proper shipping name	
ADR/RID	Hydrocarbons, liquid, n.o.s
IMDG/IMO	Hydrocarbons, liquid, n.o.s
ICAO/IATA	Hydrocarbons, liquid, n.o.s
14.3 Transport hazard class(es)	Hydrocarbons, liquid, n.o.s
14.3 Transport hazard class(es) ADR/RID	Hydrocarbons, liquid, n.o.s 3: Flammable liquid
14.3 Transport hazard class(es)	Hydrocarbons, liquid, n.o.s
14.3 Transport hazard class(es) ADR/RID IMDG/IMO ICAO/IATA	Hydrocarbons, liquid, n.o.s 3: Flammable liquid 3: Flammable liquid
14.3 Transport hazard class(es) ADR/RID IMDG/IMO	Hydrocarbons, liquid, n.o.s 3: Flammable liquid 3: Flammable liquid
14.3 Transport hazard class(es) ADR/RID IMDG/IMO ICAO/IATA 14.4 Packaging group	Hydrocarbons, liquid, n.o.s 3: Flammable liquid 3: Flammable liquid 3: Flammable liquid
<ul> <li>14.3 Transport hazard class(es) ADR/RID IMDG/IMO ICAO/IATA</li> <li>14.4 Packaging group ADR/RID</li> </ul>	Hydrocarbons, liquid, n.o.s 3: Flammable liquid 3: Flammable liquid 3: Flammable liquid

14.5 Env Mar	vironme ine pollu	ards	-

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:	TCI EUROPE N.V.
Issue date:	10/24/2019

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