Gľ TCI EUROPE N.V.

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Rev	ision number: 1	Revision date: 10/03/2018
SECTION 1: Identification of the su	ubstance/mixture and of the company/undertaking	
1.1 Product identifiers Product name: Product code:	[[4-(Trifluoromethyl)cyclohexyl]methyl]amine (cis- and trans- mixtu T2896	re)
1.2 Relevant identified uses of the sub- Identified uses:	stance or mixture and uses advised against Reagents.	
1.3 Details of the supplier of the safety Supplier:	data sheet	
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 r Skin corrosion/irritation Serious eye damage/eye irritation	nixture Category 1B Category 1	
Signal word Hazard statements Precautionary statements	Danger H314-Causes severe skin burns and eye damage. P260-Do not breathe dusts or mists. P280-Wear protective gloves, protective clothing, face protection. P301+P330+P331+P310-IF SWALLOWED: Rinse mouth. Do NOT POISON CENTER or doctor. P303+P361+P353+P310+P363-IF ON SKIN (or hair): Take off imr Rinse skin with water or shower. Immediately call a POISON CEN clothing before reuse. P304+P340+P310-IF INHALED: Remove person to fresh air and k Immediately call a POISON CENTER or doctor. P305+P351+P338+P310-IF IN EYES: Rinse cautiously with water	mediately all contaminated clothing. TER or doctor. Wash contaminated keep comfortable for breathing.
2.3 Other hazards Results of PBT and vPvB assessme PBT: vPvB:	lenses, if present and easy to do. Continue rinsing. Immediately cant Not applicable Not applicable	all a POISON CENTER or doctor.
SECTION 3: Composition/information	ion on ingredients	
3.1 Substances Components: Percent: CAS RN: Synonyms: Chemical Formula:	[[4-(Trifluoromethyl)cyclohexyl]methyl]amine (cis- and trans- mixtu >97.0%(GC) 361393-85-3 1-Aminomethyl-4-trifluoromethylcyclohexane (cis- and trans- mixtu C8H14F3N	
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SECTION 4: Eirst aid maggures	
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. Immediately call a
initial dion.	POISON CENTER or doctor/physician.
Skin contact:	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.Immediately call a POISON CENTER or doctor/physician.
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.
4.2 Most important symptoms and effect No data available	s, 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 dioxide, Carbon monoxide, Nitrogen oxides (NOx), Hydrogen fluoride
5.3 Advice for firefighters	Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method accordin 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	ISURES
6.1 Personal precautions, protective equipment and emergency procedures	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
6.2 Environmental precautions	Prevent product from entering drains
6.3 Methods and materials for containment and cleaning up	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. Remove all sources of ignition. Fire-extinguishing devices should be prepared in case of a fire. Use spark-proof tools and explosion-proof equipment.
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 generation of vapour or mist. Keep away from flames and hot surfaces. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Wash hands and face thoroughly afte handling. Use a closed system if possible. Use a ventilation, local exhaust if vapour or aerosol will be generated. Avoid contact with skin, eyes and clothing.
7.2 Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Store in a cool, dark and well-ventilated place. Store under inert gas. Store locked up. Store away from incompatible materials such as oxidizing agents. Air-sensitive

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SECTION 8: Exposure controls/personal protection		
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:	Half or full facepiece 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:	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	Inronerties
SECTON	7. FIIVSILAI	and chemical	DIDDELLES

9.1 Information on basic physical and ch	nemical 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:	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	Open flame
10.5 Incompatible materials	Oxidizing agents

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

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SECTION 11: Toxicological information

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 information 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 assessme	ent
PBT:	Not applicable
vPvB:	Not applicable

12.6 Other adverse effects

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

No data available

SECTION 14: Transport information		
14.1 UN number	2735	
44.2 LIN proper chipping nome		
14.2 UN proper shipping name	Antipas liquid connector a con	
ADR/RID	Amines, liquid, corrosive, n.o.s	
IMDG/IMO	Amines, liquid, corrosive, n.o.s	
ICAO/IATA	Amines, liquid, corrosive, n.o.s	
14.3 Transport hazard class(es)		
ADR/RID	8: Corrosive	
IMDG/IMO	8: Corrosive	
ICAO/IATA	8: Corrosive	
14.4 Packaging group		
ADR/RID	Н	
IMDG/IMO		
ICAO/IATA		
14.5 Environmental hazards		
Marine pollutant	-	
14.6 Special precautions for user	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:	10/03/2018

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

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