G

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Revis	sion number: 1	Revision date:	04/09/2019
SECTION 1: Identification of the su	bstance/mixture and of the company/undertaking		
1.1 Product identifiers Product name: Product code:	trans,trans-3,4-Difluoro-4'-(4'-pentylbicyclohexyl-4-yl)biphenyl D5651		
1.2 Relevant identified uses of the subs Identified uses:	tance or mixture and uses advised against Reagents.		
1.3 Details of the supplier of the safety of 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 m This product does not meet the criteria	ixture a for classification in any hazard class according to Regulation (EC) No 127	2/2008	
2.2 Label elements			
Pictograms or hazard symbols	None		
Signal word	No signal word		
Hazard statements	None		
Precautionary statements	None		
2.3 Other hazards			
Results of PBT and vPvB assessmen			
PBT:	Not applicable		
vPvB:	Not applicable		
SECTION 3: Composition/informati	on on ingredients		
3.1 Substances			
Components:	trans,trans-3,4-Difluoro-4'-(4'-pentylbicyclohexyl-4-yl)biphenyl		
Percent:	>98.0%(GC)		
CAS RN: Chemical Formula:	136609-96-6 C29H38F2		
Chemical Formula.	G29F138F2		
SECTION 4: First aid measures			
4.1 Description of first aid measures			
Inhalation: Skin contact:	Remove victim to fresh air and keep at rest in a position comfortable for b advice/attention if you feel unwell. Remove/Take off immediately all contaminated clothing. Rinse skin with v	-	
	or rash occurs: Get medical advice/attention.		
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, i	if present and eas	y to do.
Ingestion:	Continue rinsing. If eye irritation persists: Get medical advice/attention. Get medical advice/attention if you feel unwell. Rinse mouth.		
Protection of first-aiders:	A rescuer should wear personal protective equipment, such as rubber glo	ves and air-tight g	oggles.
4.2 Most important symptoms and effect No data available	ts, both acute and delayed		
4.3 Indication of any immediate medical No data available	attention and special treatment needed		

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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, Hydrogen fluoride	
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 local exhaust if dust 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 and dark place. Store away from incompatible materials such as oxidizing agents.	
7.3 Specific end use(s)	No further relevant information available.	
SECTION 8: Exposure controls/pers	sonal protection	
8.1 Control parameters	No data available	
8.2 Exposure controls	Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.	
Respiratory protection: Hand protection: Eye protection: Skin and body protection:	Dust respirator. Follow local and national regulations. Protective gloves. Safety glasses. A face-shield, if the situation requires. Protective clothing. Protective boots, if the situation requires.	

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

9.1 Information on basic physical and chemical properties				
Physical state (20°C):	Solid			
Form:	Crystal - Powder			
Colour:	White - Very pale yellow			
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	No data available		
10.5 Incompatible materials	Oxidizing agents		

10.6 Hazardous decomposition products Carbon monoxide, Carbon dioxide, Hydrogen fluoride

SECTION 11: Toxicological informa	tion		
11.1 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		

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SECTION 12: Ecological informa	
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 asses	
PBT:	Not applicable
vPvB:	Not applicable
12.6 Other adverse effects	No data available
SECTION 13: Disposal considera	ations
13.1 Waste treatment methods	
Recycle to process, if possible. Co	nsult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when
Recycle to process, if possible. Co and burn in a chemical incinerator disposing of the substance.	equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when
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Recycle to process, if possible. Co and burn in a chemical incinerator disposing of the substance. SECTION 14: Transport information	equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when
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Recycle to process, if possible. Co and burn in a chemical incinerator disposing of the substance. SECTION 14: Transport informal 14.1 UN number 14.2 UN proper shipping name ADR/RID IMDG/IMO ICAO/IATA 14.3 Transport hazard class(es) ADR/RID IMDG/IMO ICAO/IATA 14.4 Packaging group	equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when tion Not listed Not listed Does not correspond to the classification standard of the United Nations Does not correspond to the classification standard of the United Nations

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:	TCI EUROPE N.V.
Issue date:	04/09/2019

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 for 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

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