CI TCI EUROPE N.V.

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

K	evision number: 1	Revision date: 10/03/201
ECTION 1: Identification of the	substance/mixture and of the company/undertaking	7
1 Product identifiers		
Product name:	Trimethylsilyl Difluoro(fluorosulfonyl)acetate	
Product code:	T3022	
2 Relevant identified uses of the su Identified uses:	ubstance or mixture and uses advised against Reagents.	
3 Details of the supplier of the safe	ety 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@tcichemic	als.com	
4 Emergency telephone number:	+32(0)70 245 245	
ECTION 2: Hazards identificati		
1 Classification of the substance o Flammable liquids	or mixture Category 3	
Corrosive to metals	• •	
Skin corrosion/irritation	Category 1 Category 1B	
	5,	
2 Label elements Pictograms or hazard symbols	5,	
Serious eye damage/eye irritatio 2 Label elements	5,	
Serious eye damage/eye irritatio 2 Label elements Pictograms or hazard symbols	on Category 1	
Serious eye damage/eye irritatio 2 Label elements Pictograms or hazard symbols Official word	on Category 1	
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Trimethylsilyl Difluoro(fluorosulfonyl)acetate SECTION 3: Composition/information on ingredients

3.1 Substances	
Components:	Trimethylsilyl Difluoro(fluorosulfonyl)acetate
Percent:	>96.0%(GC)
CAS RN:	120801-75-4
Synonyms:	Difluoro(fluorosulfonyl)acetic Acid Trimethylsilyl Ester, TFDA
Chemical Formula:	C5H9F3O4SSi

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
	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 effects, both acute and delayed No data available

4.3 Indication of any immediate medical attention and special treatment needed No data available

SECTION 5: Firefighting measures	
5.1 Extinguishing media	
Suitable extinguishing media:	Dry chemical, carbon dioxide.
Unsuitable extinguishing media:	Water
5.2 Special hazards arising from the	Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.
substance or mixture	Carbon dioxide, Carbon monoxide, Hydrogen fluoride, Sulfur oxides, Silicon oxides
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: Keep containers cool by spraying with water but NO direct contact 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 me	asures
6.1 Personal precautions, protective	Use extra personal protective equipment (self-contained breathing apparatus). Keep people away from
equipment and emergency procedures	and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be
equipment and emergency procedures	and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc
equipment and emergency procedures	
equipment and emergency procedures 6.2 Environmental precautions	
	controlled around the leakage area by roping off, etc
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6.2 Environmental precautions6.3 Methods and materials for	controlled around the leakage area by roping off, etc Prevent product from entering drains Absorb spilled material in dry sand or inert absorbent before recovering it into an airtight container. In
6.2 Environmental precautions6.3 Methods and materials for	controlled around the leakage area by roping off, etc Prevent product from entering drains Absorb spilled material in dry sand or inert absorbent before recovering it into an airtight container. In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be

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 heat/sparks/open flame/hot surfacesNo smoking. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Wash hands and face thoroughly after 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. May develop pressure. Open carefully. Use corrosive resistant equipment.
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. Protect from moisture. Store locked up. Store away from incompatible materials such as oxidizing agents. Moisture-sensitive
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. 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: 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	
9.1 Information on basic physical and cl	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:	86°C /6.1kPa
Flash point:	26°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:	1.25
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	Decomposes in contact with water and liberates toxic gases.
10.4 Conditions to avoid	Spark, Open flame, Static discharge, Moisture
10.5 Incompatible materials	Oxidizing agents, Bases, Water

10.6 Hazardous decomposition products Carbon dioxide, Carbon monoxide, Hydrogen fluoride, Sulfur oxides, Silicon oxides

SECTION 11: Toxicological information 11.1 Information on toxicological effects Acute Toxicity: No data available Skin corrosion/irritation: No data available No data available Serious eye damage/irritation: No data available Respiratory or skin sensitization: Germ cell mutagenicity: No data available Carcinogenicity: IARC = No data available NTP = No data available Reproductive toxicity: No data available No data available STOT-single exposure: 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 No data available Algae: 12.2 Persistence and degradability No data available 12.3 Bioaccumulative potential No data available 12.4 Mobility in soil No data available Log Pow: Soil adsorption (Koc): No data available Henry's Law (PaM 3/mol): No data available 12.5 Results of PBT and vPvB assessment Not applicable PBT: vPvB: Not applicable No data available

12.6 Other adverse effects

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.

SECTION 14: Transport informat	ion
14.1 UN number	2920
14.2 UN proper shipping name	
ADR/RID	Corrosive liquid, flammable, n.o.s
IMDG/IMO	Corrosive liquid, flammable, n.o.s
ICAO/IATA	Corrosive liquid, flammable, n.o.s
14.3 Transport hazard class(es)	
ADR/RID	8: Corrosive
Subsidiary risk:	3: Flammable liquid.
IMDG/IMO	8: Corrosive
Subsidiary risk:	3: Flammable liquid.
ICAO/IATA	8: Corrosive
Subsidiary risk:	3: Flammable liquid.
14.4 Packaging group	
ADR/RID	П
IMDG/IMO	П
ICAO/IATA	II
14.5 Environmental hazards	
Marine pollutant	-
14.6 Special precautions for user	No data available
SECTION 15: Regulatory informa	ation

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 mesures 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