1	Safety data sheet	Page 1/7
IC.	Safety data sheet according to 1907/2006/EC, Article 31	
Printing date 15.07.2021		Revision: 15.07.2021
SECTION 1: Ident	ification of the substance/mixture and of the comp	oany/undertaking
· 1.1 Product identifier		
• Trade name: <u>Triethylsi</u>	lyl trifluoromethanesulfonate, 99%	
 Item number: 14-7910 CAS Number: 79271-56-0 EC number: 279-124-4 1.2 Relevant identified No further relevant info 	uses of the substance or mixture and uses advised against rmation available.	
• 1.3 Details of the suppl • Manufacturer/Supplier Strem Chemicals, Inc. 7 Mulliken Way NEWBURYPORT, MA USA info@strem.com		
• 1.4 Emergency telepho EMERGENCY: CHEM	otainable from: Technical Department ne number: TREC: + 1 (800) 424-9300 times: +1 (978) 499-1600	
SECTION 2: Hazar	rds identification	
GHS05 corro	g to Regulation (EC) No 1272/2008	
	Regulation (EC) No 1272/2008 ied and labelled according to the CLP regulation.	

· Hazard pictograms



CHEMICALS,

· Signal word Danger

- · Hazard-determining components of labelling: Triethylsilyl trifluoromethanesulfonate, 99% · Hazard statements H314 Causes severe skin burns and eye damage. · Precautionary statements P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. Read label before use. P103
- P231 Handle under inert gas.

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HEMICALS, INC.

Safety data sheet according to 1907/2006/EC, Article 31

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P303+P361+P3	353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/
P305+P351+P3	shower. 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P422	Store contents under inert gas.
P501	Dispose of contents/container in accordance with local/regional/national/international
	regulations.
• Additional infor	
EUH014 Reacts	violently with water.
· 2.3 Other hazar	
· Results of PBT	and vPvB assessment
• PBT: Not applie	
• vPvB: Not appli	cable.

SECTION 3: Composition/information on ingredients

- 3.1 Chemical characterisation: Substances
 CAS No. Description
 70271 56 0 Triachalaid trifference thereas for
- 79271-56-0 Triethylsilyl trifluoromethanesulfonate, 99%
- Identification number(s)
- **EC number:** 279-124-4

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- \cdot 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- · For safety reasons unsuitable extinguishing agents: Water
- · 5.2 Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- 5.3 Advice for firefighters
- Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away.

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Trade name: Triethylsilyl trifluoromethanesulfonate, 99%

- 6.2 Environmental precautions: No special measures required.
- · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralising agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

- 6.4 Reference to other sections See Section 7 for information on safe handling.
- See Section 7 for information on safe nanating. See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.
- · Information about fire and explosion protection: Keep respiratory protective device available.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

• Protection of hands:



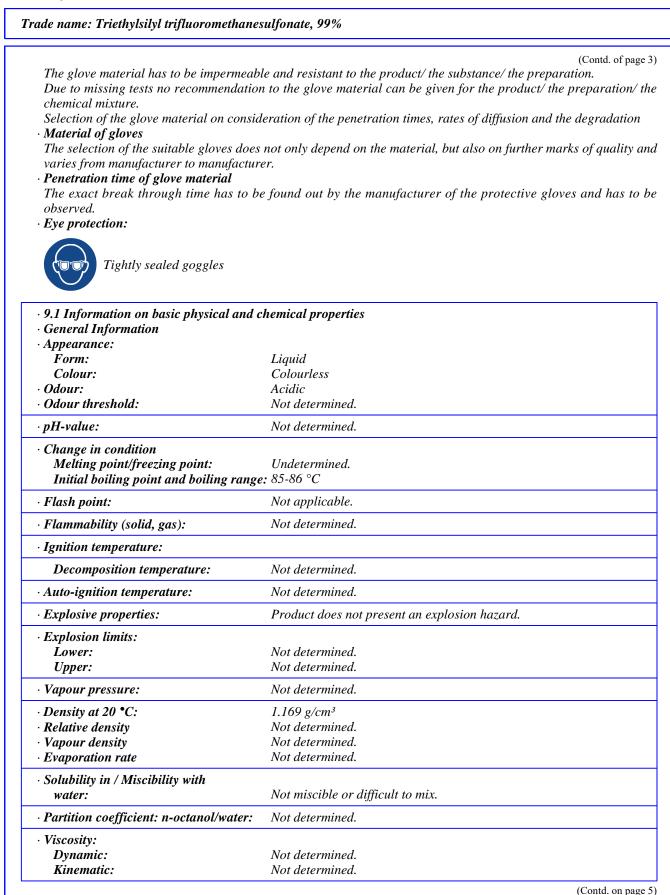
Protective gloves

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Trade name: Triethylsilyl trifluoromethanesulfonate, 99%

· Solvent content:
Organic solvents.
VOC (EC)

· 9.2 Other information

0.0 % 0.00 % No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

- · Acute toxicity Based on available data, the classification criteria are not met.
- Primary irritant effect:
- · Skin corrosion/irritation
- Causes severe skin burns and eye damage.
- Serious eye damage/irritation
- Causes severe skin burns and eye damage.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- *Reproductive toxicity Based on available data, the classification criteria are not met.*
- STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- \cdot Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:
- General notes: Must not reach sewage water or drainage ditch undiluted or unneutralised.
- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

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Trade name: Triethylsilyl trifluoromethanesulfonate, 99%

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SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number	
ADR, IMDG, IATA	UN1760
14.2 UN proper shipping name	
ADR	1760 CORROSIVE LIQUID, N.O.S.
IMDG, IATA	CORROSIVE LIQUID, N.O.S.
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
<u> </u>	
8	
Class	8 Corrosive substances.
Class Label	8 Corrosive substances. 8
	0
14.4 Packing group	П
ADR, IMDG, IATA	II
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Corrosive substances.
EMS Number:	F- A , S - B
Stowage Category	В
Stowage Code	SW2 Clear of living quarters.
14.7 Transport in bulk according to Ann	ex II of
Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities $(\widetilde{E}Q)$	Code: E2
-	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml

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Trade name: Triethylsilyl trifluoromethanesulfonate, 99%

· UN ''Model Regulation'':

UN 1760 CORROSIVE LIQUID, N.O.S., 8, II

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I Substance is not listed.

· Seveso category O1 Substances or mixtures with hazard statement EUH014

• Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t

 \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

• REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Technical Department.

· Contact: Technical Director

 Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Corr. 1B: Skin corrosion/irritation – Category 1B