

# N,O-Bis(trimethylsilyl)trifluoroacetamide Safety Data Sheet 8189301 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 10/21/2016 Version: 1.0

1. Identification : Substance   troduct form : Substance   Usbance name : N.O-Bis (trinnethylsih)(trifluoroacetamide   AS No : 2561-30-2   troduct clode : 818-3-01   tornula : CH-2057NSI2   tornula : CH-2057NSI2   tyronyms : STFA, Trinnethylsih)(V12,2,2-trifluoro-1-(trimethylsih)(trifluoroacetamide   there means of identification : MFCD00008289   2. Relevant identification 3. Details of the substance of mixture and uses advised against 3. Details of the subglar of the sidety data sheet Yuouse Laboratoris, Inc.: 3. Details of the suppler of the sidety data sheet Yuouse Laboratoris, Inc.: 3. Consolitio research development 3. Consolitio research development 4. Emergency turbehone number 3. Cassification of the substance or mixture 3. Cassification of the substance or mixture 3. Cassification of the substance or mixture 3. Laboratory chemicals 3. Cassification of the substance or mixture 3. Laboratory chemicals 3. Cassification of the substance or mixture 3. Laboratory chemicals 3. Cassification of the substance or mixture 3. Laboratory chemicals 3. Cassification of the substance or mixture 3. Laboratory chemicals 3. Cassification of the substance or mixture 3. Laboratory chemicals 3. Cassification of the substance or mixture 3. Laboratory chemicals 3. Cassification of the substance or mixture 3. Laboratory chemicals 3. Cassification of the substance or mixture 3. Laboratory chemicals 3. Cassification of the substance or mixture 3. Laboratory chemicals 3. Cassification of the substance or mixture 3. Laboratory chemicals 3. Cassificatio	SECTION 1: Identification			
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AS No       ::       25651-30.2         traduct code       ::       8189-3-01         ormula       ::       C942073N0512         synonyms       ::       BSTFA: Trimethyskily Ni[2.2.2.trifluoro-1-(trimethyskily)[sethyl]methanecarboximidate         ther means of identification       ::       MFCDD00062205         2.2       Relevant identified uses of the substance or mixture and uses advised against         3.3       Details of the supplier of the safety data sheet         synouxelistaba.com       ::       ::         sidentia, F1, 32015 - United States of America       ::         (38) 462-0785       ::       ::         (36) 462-0785       ::       ::         (36) 462-0785       ::       ::         (36) 462-0785       ::       ::         (36) 462-0785       ::       ::         (36) 462-0785       ::       ::         (36) 462-0785       ::       ::       ::         (37) 4714       ::       ::       ::         (38) 462-0785       ::       ::       ::         (38) 462-0785       ::       ::       ::         (38) 462-0785       ::       ::       ::         (37) 175       ::       ::			rogastamida	
haduct code : 19 89-901 corrula : 20 897 FA, Trinnethyskil N4,2,2,2-trifluoro-1-(triinethyskil/y1ethyl]methanecarboximidate bter means of identification : 807 FA, Trinnethyskil/N4,2,2,2-trifluoro-1-(triinethyskil/y1ethyl]methanecarboximidate ther means of identification : 10 MFCD00008269 2. Relevant Identification : 10 Laboratory chemicals Manufacture of substances soft the substance shows advised against the advised of the substance or mixture and uses advised against 3. Details of the subpler of the safety data sheet Windowstances, Inc. 20. Box 300 identification (States of America (386) 462-7078 - F (386) 462-7079 4. Emergency telephone number immergency number : (844) 523-4086 (3E Company - Account 10069) ECCTION 22 Hazard(6) Identification ECCTION 22 Hazard(6) Identification ECCTION 22 Hazard(6) Identification ECCTION 22 Hazard(6) Identification ECCTION 24 Hazard(6) Identification Elevane is the substance or mixture 2. Label elements BHS-US allows and substance or mixture Elevand is the Couses severe sign hours and eye damage FTOT SE 3 H335 - May cause respiratory irritation BHS - Couses severe sign hours and eye damage FTOT SE 3 H335 - May cause respiratory irritation BHS - Couses severe sign hours and eye damage Elevand pictograms (CHS-US) Elevand is causes severe sign hours and eye damage Elevand pictograms (CHS-US) Elevand is causes severe sign hours and eye damage Elevand pictograms (CHS-US) Elevand is causes severe sign hours and eye damage Elevand pictograms (CHS-US) Elevand is causes severe sign hours and eye damage Elevand pictograms (CHS-US) Elevand is causes severe sign hours and eye damage Elevand pictograms (CHS-US) Elevand is causes severe sign hours and eye damage H314 - Causes severe sign hours and eye damage H314			roacetamide	
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Manufacture of substances Scientific research and development         3. Details of the supplier of the safety data sheet lynQuest Laboratories, Inc. 0.0. Box 309 Wachua, FL 32615 - United States of America (368) 462-078, F 7,889, 462-7097 Mo@synquestiabs.com - www.synquestiabs.com 14. Energency telephone number intergency number : (844) 523-4086 (3E Company - Account 10069)         SECTION 2: Hazard(s) Identification Immuber       : (844) 523-4086 (3E Company - Account 10069)         SECTION 2: Hazard(s) Identification Immuber       : (844) 523-4086 (3E Company - Account 10069)         SECTION 2: Hazard(s) Identification Immuber       : (844) 523-4086 (3E Company - Account 10069)         SECTION 2: Hazard(s) Identification Immuber       : (844) 523-4086 (3E Company - Account 10069)         SECTION 2: Hazard(s) Identification Immuber       : (844) 523-4086 (3E Company - Account 10069)         SECTION 2: Hazard(s) Identification Immuber       : (844) 523-4086 (3E Company - Account 10069)         SECTION 2: Hazard(s) Identification Iterator Immuber       : (844) 523-4086 (3E Company - Account 10069)         SECTION 2: Hazard(s) Identification Iterator Immuber       : (845) 528 (315) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316) 100 (316)	1.2. Relevant identified uses of the	substance or mixture and uses ad	vised against	
ynQueet Laboratories, Inc. 10. Box 309 Isachar, P. 23615 - United States of America (366) 462-7082 - F (386) 462-7097 (366) 462-7087 - F (386) 462-7097 <b>Emergency telephone number</b> imergency unber <b>ECTION 2: Hazard(s) identification</b> <b>14. Classification of the substance or mixture</b> <b>Classification (GHS-US)</b> <b>Iam</b> . Li, 3 H226 - Flammable liquid and vapour Kik Corn 1A. H314 - Causes servers skin burms and eye damage (ye Dan 1 H318 - Causes servers skin burms and eye damage (ye Dan 1 H318 - Causes servers skin burs and eye damage (ye Dan 1 H318 - Causes servers skin burs and eye damage (ye Dan 1 H318 - Causes servers skin burs and eye damage (ye Dan 1 H318 - Causes servers skin burs and eye damage (ye Dan 1 H318 - Causes servers skin burs and eye damage (ye Dan 1 H318 - Causes servers skin burs) <b>141 text of H-phrases:</b> see section 16 <b>152. Label elements</b> <b>154-US I Sabeling</b> Iazard pictograms (GHS-US) <b>15</b> Danger H226 - Iammable liquid and vapor H314 - Causes servere skin burns and eye damage H35 - Kay causer respiratory irritation (H314 - Causes servere skin burns and eye damage H35 - Kay causer respiratory irritation Precautionary statements (GHS-US) <b>15</b> P210 - Keep away from heat/spark(sopen flames/hot surfaces. No smoking P233 - Keep container tightly classd P241 - Keep away from heat/spark(sopen flames/hot surfaces. No smoking P242 - Use only nori-sparking topid eland reaving equipment P242 - Use only nori-sparking topid eland reaving equipment P244 - H38 + Kin horoogly H487 + Andres P260 - Vera protective (optive) frater and maniformal elander of thinge? eprotectionface protection P301+P304 - P304 - P304 - P304 - P304 - P304 - H304 - H304 - H1 hallet Charling? Take of thingediety all containing P303+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact	Use of the substance/mixture	Manufacture of substances	elopment	
<ul> <li>10. Box 309</li> <li>10. Box 42-0788 - F (389) 462-7087</li> <li>11. Box 42-0788 - F (389) 462-7087</li> <li>12. Box 42-0788 - F (389) 462-7047</li> <li>12. Box 42-0788 - F (389) 470-7047</li> <li>12. Box 42-0788 - F (389) 470-7047</li></ul>	1.3. Details of the supplier of the sa	fety data sheet		
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L1.       Classification of the substance or mixture         Classification (GHS-US)       Iam. Liq. 3       H226 - Flammable liquid and vapour         Kin Corr. 1A       H314 - Causes serious eye damage         Eye Dam. 1       H315 - Causes serious eye damage         TOT SE 3       H335 - May causer respiratory irritation         Vill text of H-phrases: see section 16         E2       Label elements         BHS-US labeling         tazard pictograms (GHS-US)       :         etazard statements (GHS-US)       :         tazard statements (GHS-US)       :         tazard statements (GHS-US)       :         tazard statements (GHS-US)       :         trecautionary statements (GHS-US)       :         P220 - Flammable liquid and vapor         H314 - Causes severe skin burns and eye damage         H226 - Flammable liquid and vapor         H314 - Causes severe skin burns and eye damage         H335 - May cause respiratory irritation         the cause severe skin burns and eye damage         H226 - Slammable liquid and vapor         H226 - Slammable liquid and vapor         H237 - Causes severe skin burns and eye damage         H238 - Keep container tightly closed         P240 - Keep away from heat/sparks/open flames/hot surfaces. No smoking <tr< td=""><td>Emergency number</td><td>: (844) 523-4086 (3E Compa</td><td>ny - Account 10069)</td><td></td></tr<>	Emergency number	: (844) 523-4086 (3E Compa	ny - Account 10069)	
L1.       Classification of the substance or mixture         Classification (GHS-US)       Iam. Liq. 3       H226 - Flammable liquid and vapour         Kin Corr. 1A       H314 - Causes serious eye damage         Eye Dam. 1       H315 - Causes serious eye damage         TOT SE 3       H335 - May causer respiratory irritation         Vill text of H-phrases: see section 16         E2       Label elements         BHS-US labeling         tazard pictograms (GHS-US)       :         etazard statements (GHS-US)       :         tazard statements (GHS-US)       :         tazard statements (GHS-US)       :         tazard statements (GHS-US)       :         trecautionary statements (GHS-US)       :         P220 - Flammable liquid and vapor         H314 - Causes severe skin burns and eye damage         H226 - Flammable liquid and vapor         H314 - Causes severe skin burns and eye damage         H335 - May cause respiratory irritation         the cause severe skin burns and eye damage         H226 - Slammable liquid and vapor         H226 - Slammable liquid and vapor         H237 - Causes severe skin burns and eye damage         H238 - Keep container tightly closed         P240 - Keep away from heat/sparks/open flames/hot surfaces. No smoking <tr< td=""><td>SECTION 2: Hazard(s) identificat</td><td>ion</td><td></td><td></td></tr<>	SECTION 2: Hazard(s) identificat	ion		
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Hazard pictograms (GHS-US)       :       Image: Comparison of the second of the				
And and the second s	•		•	
Precautionary statements (GHS-US)       : P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking         P233 - Keep container tightly closed       P240 - Ground/bond container and receiving equipment         P241 - Use explosion-proof electrical/ventilating/lighting equipment       P242 - Use only non-sparking tools         P243 - Take precautionary measures against static discharge       P260 - Do not breathe dust/fume/gas/mist/vapors/spray         P264 - Wash skin thoroughly after handling       P271 - Use only outdoors or in a well-ventilated area         P280 - Wear protective gloves/protective clothing/eye protection/face protection       P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting         P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower       P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing         P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact       P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact	Signal word (GHS-US) Hazard statements (GHS-US)	: Danger : H226 - Flammable liquid an	d vapor	
P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical/ventilating/lighting equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact			, ,	
· ·	Precautionary statements (GHS-US)	P233 - Keep container tight P240 - Ground/bond contain P241 - Use explosion-proof P242 - Use only non-sparkin P243 - Take precautionary in P260 - Do not breathe dust/ P264 - Wash skin thoroughl P271 - Use only outdoors o P280 - Wear protective glow P301+P330+P331 - If swall P303+P361+P353 - If on sk skin with water/shower P304+P340 - If inhaled: Rei	ly closed ner and receiving equipment electrical/ventilating/lighting equipment ng tools measures against static discharge /fume/gas/mist/vapors/spray ly after handling r in a well-ventilated area /es/protective clothing/eye protection/face pro owed: rinse mouth. Do NOT induce vomiting sin (or hair): Take off immediately all contamin move person to fresh air and keep comfortabl	otection nated clothing. Rinse le for breathing
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eeerang					
		P31 P32 P36 P37 P40 P40 P40	es, if present and easy to do. Continue rir 0 - Immediately call a POISON CENTER ( 1 - Specific treatment (see supplemental f 3 - Wash contaminated clothing before rei 0+P378 - In case of fire: Use dry sand, dr 3+P233 - Store in a well-ventilated place. 3+P235 - Store in a well-ventilated place. 5 - Store locked up 1 - Dispose of contents/container to an ap	or doctor/ physic irst aid instruction use y chemical or all Keep container Keep cool	ons on this label) cohol-resistant foam to extinguish tightly closed
2.3.	Other hazards				
No addi	tional information available				
2.4.	Unknown acute toxicity (GHS US)				
Not app	licable				
SECT	ION 3: Composition/informatior	n on ii	ngredients		
3.1.	Substance				
Substar	nce type	: Mon	o-constituent		
Name			Product identifier	%	Classification (GHS-US)
	s(trimethylsilyl)trifluoroacetamide anstituent)		(CAS No) 25561-30-2	<= 100	Flam. Liq. 3, H226 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335
Full text	of H-phrases: see section 16		·		· · · ·
3.2.	Mixture				
Not app	licable				
SECT	ION 4: First aid measures				
4.1.	Description of first aid measures				
First-aid	I measures general		ase of accident or if you feel unwell, seek re possible). Move the affected personnel		
First-aid	I measures after inhalation		nove person to fresh air and keep comfortation. Get immediate medical advice/atte		ng. If not breathing, give artificial
First-aid	I measures after skin contact		h with plenty of soap and water. Remove ical advice/attention.	contaminated c	lothing and shoes. Get immediate
First-aid	I measures after eye contact		ediately flush eyes thoroughly with water ent and easy to do. Continue rinsing. Get		
First-aic	I measures after ingestion		NOT induce vomiting. Never give anything th out with water. Get immediate medical		
4.2.	Most important symptoms and effect	s, both	acute and delayed		
Sympto	ms/injuries		most important known symptoms and effe and/or in section 11.	ects are describ	ed in the labelling (see section
Sympto	ms/injuries after inhalation		erial is destructive to tissue of the mucuou tness of breath, headache, nausea.	s membranes a	nd upper respiratory tract. Cough,
4.3.	Indication of any immediate medical	attenti	on and special treatment needed		
Treat sy	mptomatically.				
SECT	ION 5: Firefighting measures				
5.1.	Extinguishing media				
Suitable	extinguishing media		hol resistant foam. Carbon dioxide. Dry propriate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
5.2.	Special hazards arising from the sub	stance	or mixture		
Fire haz	card	: The oxid	rmal decomposition generates: Carbon ox es.	ides. Hydrogen	fluoride. Nitrogen oxides. Silicon
Explosio	on hazard		of explosion if heated under confinement ainers. May form flammable/explosive va		ay or fog for cooling exposed
5.3.	Advice for firefighters				
Firefigh	ting instructions	: In ca	ase of fire: Evacuate area. Fight fire remot	ely due to the ri	sk of explosion.
Protecti	on during firefighting		ar gas tight chemically protective clothing i aratus. For further information refer to sec		
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SECTION 6: Accidental release meas	ures
6.1. Personal precautions, protective equ	
General measures	<ul> <li>Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.</li> </ul>
6.1.1. For non-emergency personnel	
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. Consider the risk of potentially explosive atmospheres. Eliminate every possible source of ignition.
6.2. Environmental precautions	
Avoid release to the environment. Notify authoritie	es if product enters sewers or public waters.
6.3. Methods and material for containment	nt and cleaning up
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.
Methods for cleaning up	: Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. Reference to other sections	
No additional information available	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includin	g any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources. Moisture sensitive. Keep contents under inert gas.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage area	: Store in dry, cool, well-ventilated area.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

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SECTION 9: Physical and chemica	
9.1. Information on basic physical and	
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: -10 °C
Freezing point	: No data available
Boiling point	: 45 - 50 °C (@ 15 mm Hg)
Flash point	: 24 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 0.969 g/ml (@ 25 °C)
Molecular mass	: 271.43 g/mol
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
9.2. Other information	
Refractive index	: 1.384 (@ 20 °C)
SECTION 10. Stability and reactivity	
SECTION 10: Stability and reactivit	y .
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling and s	torage conditions.
10.3. Possibility of hazardous reactions	\$
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flame.	
10.5. Incompatible materials	
Strong acids. Strong oxidizing agents.	
10.6. Hazardous decomposition produc	ts
	nazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological information	ation
11.1. Information on toxicological effec	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
12/08/2016	Causes serious eye damage.      EN (Epolish US)     SDS ID: 8189301     4/7

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Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity	: Not classified : Not classified : Not classified
Reproductive toxicity Specific target organ toxicity (single exposure)	: Not classified : May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.

SECTI	ON 12: Ecological information
12.1.	Toxicity
No addit	ional information available
12.2.	Persistence and degradability
No addit	ional information available
12.3.	Bioaccumulative potential
No addit	ional information available
12.4.	Mobility in soil
No addit	ional information available
12.5.	Other adverse effects

No additional information available

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.	
Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
Additional information	: Recycle the material as far as possible.	
SECTION 14: Transport informati	on	

Department of Transportation (DOT) In accordance with DOT Transport document description

#### UN-No.(DOT)

Proper Shipping Name (DOT) Transport hazard class(es) (DOT) Hazard labels (DOT)

Packing group (DOT) DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Symbols

- : UN2924 Flammable liquids, corrosive, n.o.s., 3, III
- : UN2924
- : Flammable liquids, corrosive, n.o.s.
- : 3 Class 3 Flammable and combustible liquid 49 CFR 173.120
- : 3 Flammable liquid
- 8 Corrosive



- : III Minor Danger
- : 203
- : 242
- : G Identifies PSN requiring a technical name

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DOT Special Provisions (49 CFR 172.102)	<ul> <li>B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.</li> <li>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).</li> <li>T7 - 4 178.274(d)(2) Normal</li></ul>
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"
Other information	: No supplementary information available.
TDG	
No additional information available	
Transport by sea	
UN-No. (IMDG)	: 2924
Proper Shipping Name (IMDG)	: FLAMMABLE LIQUID, CORROSIVE, N.O.S.
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Air transport	
UN-No. (IATA)	: 2924
Proper Shipping Name (IATA)	: Flammable liquid, corrosive, n.o.s.
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: III - Minor Danger

#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

N,O-Bis(trimethylsilyl)trifluoroacetamide

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

CAS No 25561-30-2

#### 15.2. International regulations

#### CANADA

No additional information available

#### **EU-Regulations**

No additional information available

100%

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#### **National regulations**

#### N,O-Bis(trimethylsilyl)trifluoroacetamide (25561-30-2)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on NZIoC (New Zealand Inventory of Chemicals)

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

#### **SECTION 16: Other information**

Eye Dam. 1	Serious eye damage/eye irritation Category 1
Flam. Liq. 3	Flammable liquids Category 3
Skin Corr. 1A	Skin corrosion/irritation Category 1A
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation
NFPA health hazard NFPA fire hazard	<ul> <li>: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.</li> <li>: 3 - Liquids and solids that can be ignited under almost all ambient conditions.</li> </ul>
NFPA reactivity	<ul> <li>O - Normally stable, even under fire exposure conditions, and are not reactive with water.</li> </ul>
HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	: 3 Serious Hazard - Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 F and boiling points above 100 F. as well as liquids with flash points between 73 F and 100 F. (Classes IB & IC)
Physical	: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.