

2,4,6-Trifluorophenyl isothiocyanate Safety Data Sheet 76683X6 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 10/11/2016 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 2,4,6-Trifluorophenyl isothiocyanate		
CAS No	: 206761-91-3		
Product code	: 7668-3-X6		
Formula	: C7H2F3NS		
Synonyms	: 1,3,5-Trifluoro-2-isothiocyanatobena	zene	
Other means of identification	: MFCD00041045		
1.2. Relevant identified uses of the subs	tance or mixture and uses advised a	gainst	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and developmer	t	
1.3. Details of the supplier of the safety	data sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com	<u>n</u>		
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company - Acc	ount 10069)	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or n	lixture		
Classification (GHS-US)			
Acute Tox. 4 (Oral) H302 - Harmful if sv	vallowed		
Acute Tox. 4 (Dermal)H312 - Harmful in cAcute Tox. 3 (Inhalation)H331 - Toxic if inhaSkin Corr. 1BH314 - Causes sevEye Irrit. 2AH319 - Causes seriSTOT SE 3H335 - May cause rFull text of H-phrases: see section 16	ed ere skin burns and eye damage bus eye irritation		
·			
2.2. Label elements			
GHS-US labeling		•	
Hazard pictograms (GHS-US)	CHS05 GHS06	GHS07	
Signal word (GHS-US)	: Danger		
Hazard statements (GHS-US)	 H302+H312 - Harmful if swallowed H314 - Causes severe skin burns a H319 - Causes serious eye irritation H331 - Toxic if inhaled H335 - May cause respiratory irritat 	nd eye damage	
Precautionary statements (GHS-US)	P301+P312 - If swallowed: Call a P P301+P330+P331 - If swallowed: ri P302+P352 - If on skin: Wash with P303+P361+P353 - If on skin (or ha skin with water/shower	andling then using this product II-ventilated area active clothing/eye protection/face protectior OISON CENTER or doctor/ physician if you hse mouth. Do NOT induce vomiting	feel unwell lothing. Rinse
12/08/2016	EN (English US)	SDS ID: 76683X6	Page 1

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Not applicable SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, present and easy to do. Continue rinsing. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cougl shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SEC	2.3. Other hazards No additional information available 2.4. Unknown acute toxicity (GHS US) Not applicable	P305 lense P310 P311 P321 P330 P362 P363 P403 P405	 +P351+P338 - If in eyes: Rinse cautious +P351+P338 - If in eyes: Rinse cautious is, if present and easy to do. Continue rin - Immediately call a POISON CENTER of - Call a POISON CENTER or doctor/phy - Specific treatment (see supplemental f - Rinse mouth +P313 - If eye irritation persists: Get med +P344 - Take off contaminated clothing a - Wash contaminated clothing before ret +P233 - Store in a well-ventilated place. - Store locked up - Dispose of contents/container to an ap 	sing or doctor/ physic rsician irst aid instructio dical advice/atte and wash it befo use Keep container	cian ons on this label) ntion ore reuse tightly closed
Substance Substance Substance type : Mono-constituent Name Product identifier % Classification (GHS-US) 2,45.Trifturophenyl isothiocyanate [CAS No) 206761:91:3 <= 100 Acute Tox. 4 (Oral), H302 2,45.Trifturophenyl isothiocyanate [CAS No) 206761:91:3 <= 100 Acute Tox. 4 (Oral), H302 2,45.Trifturophenyl isothiocyanate [CAS No) 206761:91:3 <= 100 Acute Tox. 4 (Oral), H302 Substance Image: Stance To Stance T	SECTION 3: Composition/information	n on in	gredients		
Substance type : Mono-constituent Name Product identifier % Classification (CHS-US) 2.4.5. Triftworphenyl isothiocyanate ICAS No) 200761-91-3 C= 100 Acute Tox 3 (Toomral), H302 2.4.6. Triftworphenyl isothiocyanate ICAS No) 200761-91-3 C= 100 Acute Tox 3 (Toomral), H312 4.4.0. Toothyle set of H-phrases: see section 16 Store Tox 4 (Domral), H313 Store Tox 4 (Domral), H314 5.2. Mixture STOT SE 3, H335 STOT SE 3, H335 Full text of H-phrases: see section 16 SECTION 41: First aid measures First-aid measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation First-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated area. First-aid measures after inhalation : Immediate medical advice/attention. First-aid measures after inpestion. Get immediate medical advice/attention. First-aid measures after inhalation : Immediate medical advice/attention. First-aid measures after inhalati			groatento		
Name Product identifier % Classification (GHS-US) 2.4.6 Trifluorophenyl isothiocyanate (Main constituent) (CAB No) 206761-91-3 e= 100 Acute Tox: 4 (Oran), H302 Acute Tox: 3 (Inhalation), H331 Skin Corr. 16, H314 Full text of H-phrases: see section 16 3.2. Mixture S12. Mixture Not applicable SECTION 4: First aid measures First-aid measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing, if not breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediat medical advice/attention. First-aid measures after rigestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in		: Mono	p-constituent		
2.4.6 Trifluopphenyl isothiocyanate (Main constituent) (CAS No) 206761-91-3 <= 100 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Oral), H312 Acute Tox. 4 (Oral), H312 Acute Tox. 4 (Oral), H313 Sitio Corr. 18, H314 Eye Inft, 2A, H319 STOT SE 3, H335 Full text of H-phrases: see section 16			Product identifier	0/_	Classification (GHS-US)
3.2. Mixture Not applicable SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after eye contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after eye contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after eye contact : Umaciately flux he yees thoroughly with water for at least 15 minutes. Remove contact lenses, present and easy to do. Continue rinsing. Get immediate medical advice/attention. First-aid measures after inpestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tis	2,4,6-Trifluorophenyl isothiocyanate				Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Eye Irrit. 2A, H319
Not applicable SECTION 4: First aid measures 4.1 Description of first aid measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after skin contact : Wash with plenty of scap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, present and easy to do. Continue finsing. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting, Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Coug shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed	Full text of H-phrases: see section 16				
SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediat medical advice/attention. First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contaminated advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to issue of the mucuous membranes and upper respiratory tract. Cougi shortness of breath, headache, nausea.	3.2. Mixture				
4.1. Description of first aid measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, present and easy to do. Continue rinsing. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cougle shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. : Alcohol resistant foam. Carbon dioxide. Dry powder. W					
First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, present and easy to do. Continue rinsing. Get immediate medical advice/attention. First-aid measures after eye contact : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cougi shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Freat symptomatically. : Alcohol resistant foam. Carbon	SECTION 4: First aid measures				
where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. First-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, present and easy to do. Continue rinsing. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. First-aid measures after inhalation : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Coug shortness of breath, headache, nausea. file : Intigruishing media : Alcohol resistant	4.1. Description of first aid measures				
respiration. Get immediate medical àdvice/attention. First-aid measures after skin contact Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediat medical advice/attention. First-aid measures after eye contact Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, present and easy to do. Continue rinsing. Get immediate medical advice/attention. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. A.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cougi shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media A cloohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides. Explosion hazard R cisk of explosion if heated under confinement. Use water spray or fog for cooling exposed	-	where	e possible). Move the affected personnel	away from the o	contaminated area.
First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, present and easy to do. Continue rinsing. Get immediate medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cougl shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. Section 2.1 Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides. Explosion hazard : Ris	t-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate				
First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cougl shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides. Explosion hazard : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed	First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses			inutes. Remove contact lenses, if	
4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cougl shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides. Explosion hazard : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed	First-aid measures after ingestion :				
Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cougl shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. : SECTION 5: Firefighting measures : 5.1. Extinguishing media Suitable extinguishing media : Suitable extinguishing media : Sinters are symptomatically. : Suitable extinguishing media : Suitable extinguishing media : Suitable extinguishing media : Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Explosion hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides. Explosion hazard : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed <td></td> <td></td> <td></td> <td>advice/attention</td> <td>l.</td>				advice/attention	l.
2.2) and/or in section 11. Symptoms/injuries after inhalation 2.2) and/or in section 11. Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cougl shortness of breath, headache, nausea. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides. Explosion hazard : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed					
A.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides. Explosion hazard : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed	2.2) and/or in section 11.		and/or in section 11.		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides. Explosion hazard : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed	Symptoms/injuries after inhalation	shortness of breath, headache, nausea.			
SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides. Explosion hazard : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed	4.3. Indication of any immediate medical	attentio	n and special treatment needed		
5.1. Extinguishing media Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides. Explosion hazard : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed	Treat symptomatically.				
Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides. Explosion hazard : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed	SECTION 5: Firefighting measures				
5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides. Explosion hazard : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed	5.1. Extinguishing media				
Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides. Explosion hazard : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed	Suitable extinguishing media			owder. Water sp	oray. Use extinguishing media
oxides. Explosion hazard : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed	5.2. Special hazards arising from the sub	stance	or mixture		
	Fire hazard			ides. Hydrogen	fluoride. Nitrogen oxides. Sulfur
	Explosion hazard			. Use water spra	ay or fog for cooling exposed

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

5.3. Advice for firefighters	
Firefighting instructions Protection during firefighting	 In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".
SECTION 6: Accidental release m	leasures
6.1. Personal precautions, protective	e equipment and emergency procedures
General measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.
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.
6.2. Environmental precautions	
Avoid release to the environment. Notify aut	horities if product enters sewers or public waters.
6.3. Methods and material for contai	nment 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 storag	9
7.1. Precautions for safe handling	
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.
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, inc	luding any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Moisture sensitive. Keep contents under inert gas.
Incompatible materials : Refer to Section 10 on Incompatible Materials.	

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.

11.1. Information on toxicological effects

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

according to Federal Register / Vol. 77, No. 58 / Mono	according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations				
SECTION 9: Physical and chemica	I properties				
9.1. Information on basic physical an	d chemical properties				
Physical state	: Liquid				
Color	: No data available				
Odor	: No data available				
Odor threshold	: No data available				
рН	: No data available				
Melting point	: No data available				
Freezing point	: No data available				
Boiling point	: 111 - 112 °C (@ 35 °C)				
Flash point	: No data available				
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				
Molecular mass	: 189.16 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	: 1.578 (@ 20 °C)				
SECTION 10: Stability and reactivi	tv				
10.1. Reactivity					
No additional information available					
10.2. Chemical stability					
The product is stable at normal handling and storage conditions.					
10.3. Possibility of hazardous reactions					
No additional information available					
10.4. Conditions to avoid					
Keep away from heat, sparks and flame. Mois	sture.				
10.5. Incompatible materials					
Alcohols. Oxidizing agents. Strong bases. Water.					
10.6. Hazardous decomposition products					
Under normal conditions of storage and use, fire, see Section 5.	hazardous decomposition products should not be produced. Hazardous decomposition products in case of				
SECTION 11: Toxicological inform	ation				

Acute toxicity	: Oral: Harmful if swallowed. Dermal: Ha	rmful in contact with skin. Inhalation:	Toxic if inhaled.
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization	 Causes severe skin burns and eye dan Causes serious eye irritation. Not classified 	nage.	
12/08/2016	EN (English US)	SDS ID: 76683X6	4/7

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: 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.

SECT	ION 12: Ecological information
12.1.	Toxicity
No add	itional information available
12.2.	Persistence and degradability
No add	itional information available
12.3.	Bioaccumulative potential
No add	itional information available
12.4.	Mobility in soil
No add	itional information available
12.5.	Other adverse effects

No additional information available

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.	SECTION 13: Disposal considerations				
Waste disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions.	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.	Additional information	: Recycle the material as far as possible.			

SECTION 14: Transport information

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)

DOT Packaging Non Bulk (49 CFR 173.xxx)

DOT Packaging Bulk (49 CFR 173.xxx)

- : UN2922 Corrosive liquids, toxic, n.o.s., 8, III
- : UN2922
- : Corrosive liquids, toxic, n.o.s.
- : 8 Class 8 Corrosive material 49 CFR 173.136
- : 8 Corrosive



- : III Minor Danger
- : 203
- : 241
- : G Identifies PSN requiring a technical name

Packing group (DOT)

DOT Symbols

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

DOT Special Provisions (49 CFR 172.102)	 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). T7 - 4 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
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)	: 2922
Proper Shipping Name (IMDG)	: CORROSIVE LIQUID, TOXIC, N.O.S.
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: III - substances presenting low danger
Air transport	
UN-No. (IATA)	: 2922
Proper Shipping Name (IATA)	: Corrosive liquid, toxic, n.o.s.
Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: III - Minor Danger
SECTION 15: Regulatory information	
15.1. US Federal regulations	

Substances Control Act (TSCA) inventory except for:

	2,4,6-Trifluorophenyl isothiocyanate	CAS No 206761-91-3	100%
--	--------------------------------------	--------------------	------

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.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations No additional information available

15.3. US State regulations

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and 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

Full tex	t of H-phrases:			
	Acute Tox. 3 (Inhalation)		Acute toxicity (inhalation) Category 3	
	Acute Tox. 4 (Dermal) Acute Tox. 4 (Oral) Eye Irrit. 2A Skin Corr. 1B STOT SE 3 H302 H312		Acute toxicity (dermal) Category 4	
			Acute toxicity (oral) Category 4	
			Serious eye damage/eye irritation Category 2A	
			Skin corrosion/irritation Category 1B	
			Specific target organ toxicity (single exposure) Category 3	
			Harmful if swallowed	
			Harmful in contact with skin	
	H314		Causes severe skin burns and eye damage	
	H319 H331 H335		Causes serious eye irritation	
			Toxic if inhaled	
			May cause respiratory irritation	
NFPA f	 PA health hazard Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. 1 - Must be preheated before ignition can occur. 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently. 		prompt medical attention was re ignition can occur. In become unstable at elevated s or may react with water with	
HMIS II	I Rating			
Health : 3 Serious Hazard - Majo given			injury likely unless prompt action is taken and medical treatment is	
Flamma	Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Include solids and semi solids having a flash point above 200 F. (Class IIIB)			
Physica	Physical : 1 Slight Hazard - Materials that are normally stable but can become unstable (self-rea temperatures and pressures. Materials may react non-violently with water o hazardous polymerization in the absence of inhibitors.		ures. Materials may react non-violently with water or undergo	

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.