

Safety Data Sheet 4854707 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 02/02/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
	: Substance
	: 3-Chloro-4-fluoro-5-nitrobenzotrifluoride
	: 101646-02-0
Product code	: 4854-7-07
Formula	: C7H2CIF4NO2
Other means of identification	: MFCD00674108
1.2. Relevant identified uses of the substa	ance or mixture and uses advised against
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Details of the supplier of the safety da	ata 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	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mix	xture
Classification (GHS-US)	
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irritationSTOT SE 3H335 - May cause respiratory irritationFull text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	CHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	 P261 - Avoid breathing fumes, mist, spray, vapors 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 P302+P352 - If on skin: Wash with plenty of soap and water 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 lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant

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

ccording to Federal Register / Vol. 77, No. 58 / Monday,	March 26	, 2012 / Rules and Regulations		
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US) Not applicable				
SECTION 3: Composition/informatio	on on ir	ngredients		
3.1. Substance				
Substance type	: Mone	p-constituent	L	<u>.</u>
Name		Product identifier	%	Classification (GHS-US)
3-Chloro-4-fluoro-5-nitrobenzotrifluoride (Main constituent)		(CAS No) 101646-02-0	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general	wher	se of accident or if you feel unwell, seek e possible). Move the affected personnel	away from the	contaminated area.
First-aid measures after inhalation		ove person to fresh air and keep comforta ration. Get medical advice/attention.	able for breathir	ng. If not breathing, give artificial
First-aid measures after skin contact		h with plenty of soap and water. Get med		
First-aid measures after eye contact	pres	ediately flush eyes thoroughly with water ent and easy to do. Continue rinsing. Get	medical advice	/attention.
First-aid measures after ingestion		IOT induce vomiting. Never give anything th out with water. Get medical advice/atte		unconscious person. Rinse
I.2. Most important symptoms and effective				
Symptoms/injuries		most important known symptoms and effe and/or in section 11.	ects are describ	ed in the labelling (see section
4.3. Indication of any immediate medica	l attentio	on and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		nol resistant foam. Carbon dioxide. Dry popriate for surrounding fire.	owder. Water sj	oray. Use extinguishing media
5.2. Special hazards arising from the su	bstance	or mixture		
Fire hazard		mal decomposition generates: Carbon ox gen oxides.	ides. Hydrogen	chloride. Hydrogen fluoride.
Explosion hazard		of explosion if heated under confinement ainers.	. Use water spr	ay or fog for cooling exposed
5.3. Advice for firefighters				
Firefighting instructions	: In ca	se of fire: Evacuate area. Fight fire remot	tely due to the r	isk of explosion.
Protection during firefighting		r gas tight chemically protective clothing i ratus. For further information refer to sec		
SECTION 6: Accidental release mea	sures			
6.1. Personal precautions, protective eq				
General measures		uate unnecessary personnel. Ensure ade r or spray.	equate air ventil	ation. Do not breathe gas, fumes,
6.1.1. For non-emergency personnel				
Emergency procedures	: Only	qualified personnel equipped with suitab	le protective eq	uipment may intervene.
6.1.2. For emergency responders	-			
6.1.2. For emergency responders Protective equipment		ot attempt to take action without suitable to section 8: "Exposure controls/persona		oment. For further information
	Telei		i protection .	

Safety Data Sheet

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

Emerg	ency 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 autho	rities if product enters sewers or public waters.
6.3.	Methods and material for contain	nent and cleaning up
For co	ntainment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.
Metho	ds 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.

: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

Other information	
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Reference to other sections 6.4. No additional information available

SECTION 7: Handling and storage	
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, includi	ing any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage area	: Store in dry, cool, well-ventilated 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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	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	: 200 °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

Safety Data Sheet

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

Vapor pressure : No data available Relative density : No data available Relative vapor density at 20 °C : No data available Specific gravity / density : 1.607 g/ml (@ 20 °C) Molecular mass : 243.54 g/mol Solubility : No data available Log Pow : 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 : 1.482 (@ 20 °C) SECTION 10: Stability and reactivity : 1.482 (@ 20 °C) No additional information available : . 10.1 Reactivity : 1.482 (@ 20 °C) The product is stable at normal handling and storage conditions. : . 10.2. Chemical sta		
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	No additional information available	

10.4. Conditions to avoid

Keep away from heat, sparks and flame.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTI	ON 11: Toxicological information	on
11.1.	Information on toxicological effects	
Acute to	xicity	: Not classified

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity Specific target organ toxicity (single exposure)	Not classifiedMay cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTIO	DN 12: Ecological information
12.1.	Toxicity
No additio	onal information available
12.2.	Persistence and degradability
No additio	onal information available

Safety Data Sheet

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

12.3.	Bioaccumulative potential		
No addi	tional information available		
12.4.	Mobility in soil		
	tional information available		
NO addi			
12.5.	Other adverse effects		
No addi	tional information available		

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

Waste disposal recommendations Additional information

- : Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
 - : Recycle the material as far as possible.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

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:

3-Chloro-4-fluoro-5-nitrobenzotrifluoride CAS No 101646-02-0 100%	
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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

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

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

Full text	of H-phrases:	
	Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
	Skin Irrit. 2	Skin corrosion/irritation Category 2
	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H335	May cause respiratory irritation
NFPA health hazard NFPA fire hazard NFPA reactivity		 : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. : 0 - Materials that will not burn. : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III	Rating	
Health		: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability		: 0 Minimal Hazard - Materials that will not burn
Physical	I	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

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