

Safety Data Sheet 2815705 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 08/10/2018 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 2-Chloro-4-(trifluoromethyl)benzaldehyde
CAS No	: 82096-91-1
Product code	: 2815-7-05
Formula	: C8H4CIF3O
Other means of identification	: MFCD04112538
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)	
Eye Irrit. 2A H319 - Causes serious eye irritatio STOT SE 3 H335 - May cause respiratory irrita Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	GHS07
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

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2.3. Other hazards			
lo additional information available			
.4. Unknown acute toxicity (GHS US)			
lot applicable			
ECTION 3: Composition/informati	ion on ingredients		
.1. Substance			
Substance type	: Mono-constituent		
Name	Product identifier	%	Classification (GHS-US)
2-Chloro-4-(trifluoromethyl)benzaldehyde (Main constituent)	(CAS No) 82096-91-1	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
ull text of H-phrases: see section 16		4	
.2. Mixture			
lot applicable			
ECTION 4: First aid measures			
.1. Description of first aid measures			
irst-aid measures general	: In case of accident or if you feel un where possible). Move the affected		
irst-aid measures after inhalation	: Remove person to fresh air and kee respiration. Get medical advice/atte		ing. If not breathing, give artificial
irst-aid measures after skin contact	: Wash with plenty of soap and water		
irst-aid measures after eye contact	: Immediately flush eyes thoroughly v present and easy to do. Continue ri	nsing. Get medical advic	e/attention.
irst-aid measures after ingestion	: Do NOT induce vomiting. Never giv mouth out with water. Get medical a		an unconscious person. Rinse
.2. Most important symptoms and effe	ects, both acute and delayed		
ymptoms/injuries	: The most important known symptor 2.2) and/or in section 11.	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.	
.3. Indication of any immediate medic	al attention and special treatment nee	ded	
reat symptomatically.			
SECTION 5: Firefighting measures			
.1. Extinguishing media			
uitable extinguishing media	: Alcohol resistant foam. Carbon diox appropriate for surrounding fire.	ide. Dry powder. Water	spray. Use extinguishing media
.2. Special hazards arising from the s	ubstance or mixture		
ire hazard	: Thermal decomposition generates:	Carbon oxides. Hydroge	n chloride. Hydrogen fluoride.
xplosion hazard	: Risk of explosion if heated under co containers.	nfinement. Use water sp	bray or fog for cooling exposed
.3. Advice for firefighters			
irefighting instructions	: In case of fire: Evacuate area. Fight	fire remotely due to the	risk of explosion.
rotection during firefighting	: Wear gas tight chemically protective apparatus. For further information re		
SECTION 6: Accidental release me			
	equipment and emergency procedures		
eneral measures	: Evacuate unnecessary personnel. E vapor or spray.	insure adequate air vent	illation. Do not breathe gas, fumes,
.1.1. For non-emergency personnel			
mergency procedures	: Only qualified personnel equipped v	vith suitable protective e	quipment may intervene.
1.2. For emergency responders			
rotective equipment	: Do not attempt to take action without	It suitable protective equ	ipment. For further information
and a second	refer to section 8: "Exposure contro		
Emergency procedures	: Gas/vapor heavier than air. May ac level.	cumulate in confined spa	aces, particularly at or below ground

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6.2. Environmental precautions	
Avoid release to the environment. Notify authorit	ties if product enters sewers or public waters.
6.3. Methods and material for containme	ent 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	
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	ng any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. 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.

SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties Physical state : Liquid Color : No data available : No data available Odor Odor threshold : No data available pН : No data available : No data available Melting point Freezing point : No data available Boiling point : No data available Flash point : No data available Relative evaporation rate (butyl acetate=1) : No data available : No data available Flammability (solid, gas) Explosion limits : No data available Explosive properties : No data available Oxidizing properties : No data available Vapor pressure : No data available 08/10/2018 EN (English US) SDS ID: 2815705

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Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 208.565 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	

Other information No additional information available

no adan	
SECTI	ON 10: Stability and reactivity
10.1.	Reactivity
No addit	ional information available
10.2.	Chemical stability
The proc	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No addit	ional information available
10.4.	Conditions to avoid
Keep aw	vay from heat, sparks and flame.
10.5.	Incompatible materials
Strong o	ixidizing agents.
10.6.	Hazardous decomposition products
	ormal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of Section 5.

Acute toxicity	: 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	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECT	SECTION 12: Ecological information		
12.1.	Toxicity		
No add	tional information available		
12.2.	Persistence and degradability		
No add	tional information available		
12.3.	Bioaccumulative potential		
No add	tional information available		

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consider	ations	
U3.1. Waste treatment methods Waste treatment methods Waste disposal recommendations Additional information Magnetic disposal recommendations	 Remove to an authorized incinerator equipped with Dispose of contents/container in accordance with I Recycle the material as far as possible. 	Ũ
SECTION 14: Transport informa	tion	
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 inform	ation	
15.1. US Federal regulations		
All components of this product are listed, Substances Control Act (TSCA) inventor	or excluded from listing, on the United States Environmental	Protection Agency Toxic
2-Chloro-4-(trifluoromethyl)benzaldehyde	CAS No 82096-91-1	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

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 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	

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NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 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	 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical	: 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)

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.