

Safety Data Sheet 4837304

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 02/18/2016 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 4-Hydroxy-3-(trifluoromethyl)benzonitrile		
CAS No	124811-71-8		
Product code	: 4837-3-04		
Formula	: C8H4F3NO		
Other means of identification	: MFCD06797882		
1.2. Relevant identified uses of the sub	bstance 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	y 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 - www.synquestlabs.c	0 0		
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company - Account 10069)		
SECTION 2: Hazard(s) identification	n		
2.1. Classification of the substance or			
Classification (GHS-US)			
Acute Tox. 4 (Inhalation) H332 - Harmful if i Skin Irrit. 2 H315 - Causes ski	in irritation		
STOT SE 3 H335 - May cause	erious eye irritation e respiratory irritation		
STOT SE 3 H335 - May cause Full text of H-phrases: see section 16			
STOT SE 3 H335 - May cause Full text of H-phrases: see section 16 2.2. Label elements			
STOT SE 3 H335 - May cause Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling			
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STOT SE 3 H335 - May cause Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	 respiratory irritation : • • •		
STOT SE 3 H335 - May cause Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	e respiratory irritation		
STOT SE 3 H335 - May cause Full text of H-phrases: see section 16 2.2. Label elements	 respiratory irritation : 		

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	P337+P313 - If eye irritati P362+P364 - Take off cou P403+P233 - Store in a w P405 - Store locked up	ion occurs: Get medical advice/a on persists: Get medical advice/a ntaminated clothing and wash it t rell-ventilated place. Keep contai ts/container to an approved wast	attention before reuse ner tightly closed
2.3. Other hazards			
No additional information available			
2.4. Unknown acute toxicity (GHS US	5)		
Not applicable			
SECTION 3: Composition/informa	tion on ingredients		
3.1. Substance			
Substance type	: Mono-constituent		
Name	Product identifie	r %	Classification (GHS-US)
4-Hydroxy-3-(trifluoromethyl)benzonitrile (Main constituent)	(CAS No) 124811-71-	8 <= 100	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16	I	I	i i i i i i i i i i i i i i i i i i i
3.2. Mixture			
Not applicable			
SECTION 4: First aid measures			
I.1. Description of first aid measures	3		
irst-aid measures general		ou feel unwell, seek medical advi e affected personnel away from t	
First-aid measures after inhalation		air and keep comfortable for brea e medical advice/attention.	thing. If not breathing, give artificial
First-aid measures after skin contact	: Wash with plenty of soap	and water. Get immediate medic	al advice/attention.
irst-aid measures after eye contact		oroughly with water for at least 1 Continue rinsing. Get immediate r	5 minutes. Remove contact lenses, it nedical advice/attention.
First-aid measures after ingestion		Never give anything by mouth to t immediate medical advice/atten	
4.2. Most important symptoms and e	ffects, both acute and delayed		
Symptoms/injuries	: The most important know 2.2) and/or in section 11.	n symptoms and effects are deso	cribed in the labelling (see section
4.3. Indication of any immediate med	lical attention and special treat	ment needed	
Freat symptomatically.			
SECTION 5: Firefighting measure	S		
5.1. Extinguishing media			
Suitable extinguishing media	: Alcohol resistant foam. Ca appropriate for surroundir		r spray. Use extinguishing media
5.2. Special hazards arising from the	substance or mixture		
Fire hazard		enerates: Carbon oxides. Hydrog	gen fluoride. Nitrogen oxides.
3.3. Advice for firefighters	· · · ·		
Firefighting instructions	: In case of fire: Evacuate a	area.	
Protection during firefighting	: Wear gas tight chemically	v protective clothing in combination	on with self contained breathing sure controls/personal protection".
SECTION 6: Accidental release m	easures		
6.1. Personal precautions, protective		ocedures	
General measures		ersonnel. Ensure adequate air ve	ntilation. Do not breathe dust.
6.1.1. For non-emergency personnel Emergency procedures	: Only qualified personnel e	equipped with suitable protective	equipment may intervene.
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6.1.2. For emergency responde	ers		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".		
6.2. Environmental precaution	ns		
Avoid release to the environment. Ne	otify authorities if product enters sewers or public waters.		
6.3. Methods and material fo	Methods and material for containment and cleaning up		
For containment	: Stop leak if safe to do so.		
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.		
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".		
6.4. Reference to other section	ons		
No additional information available			
SECTION 7: Handling and s	storage		
7.1. Precautions for safe han	Idling		
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 dust, mist, spray. 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 stora	age, including 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. Storage area

SECTION 8: Exposure controls/personal protection

Control parameters 8.1.

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 ation on boold physical and abomical r

9.1. Information on basic physical and	d chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 171 - 175 °C
Freezing point	: No data available
Boiling point	: No data available
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

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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	: 187.12 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

No additional information available

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No add	itional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No addi	itional information available
10.4.	Conditions to avoid
Keep av	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	acids. Strong bases. Strong oxidizing agents.
10.6.	Hazardous decomposition products
	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of

: Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.

fire, see Section 5.

SECTION 11: Toxicological information 11.1. Information on toxicological effects

Acute toxicity

: Causes skin irritation.
: Causes serious eye irritation.
: Not classified
: May cause respiratory irritation.
: Not classified
: Not classified

SECT	ION 12: Ecological information	n		
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

13.1. Waste treatment methods			
Waste treatment methods	: Remove to an a	authorized incinerator equipped with	an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of con	tents/container in accordance with I	icensed collector's sorting instructions.
Additional information	: Recycle the ma	terial as far as possible.	
SECTION 14: Transport inform	mation		
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 info	rmation		
15.1. US Federal regulations			
All components of this product are list Substances Control Act (TSCA) inven		on the United States Environmenta	Protection Agency Toxic
All components of this product are list	tory except for:	on the United States Environmenta CAS No 124811-71-8	Protection Agency Toxic
All components of this product are list Substances Control Act (TSCA) inven 4-Hydroxy-3-(trifluoromethyl)benzoniti This product or mixture does not conta	itory except for: rile ain a toxic chemical or chem	CAS No 124811-71-8 icals in excess of the applicable de	
All components of this product are list Substances Control Act (TSCA) inven 4-Hydroxy-3-(trifluoromethyl)benzonitu This product or mixture does not conta CFR §372.38(a) subject to the reporting	itory except for: rile ain a toxic chemical or chem	CAS No 124811-71-8 icals in excess of the applicable de	100% minimis concentration as specified in 40
All components of this product are list Substances Control Act (TSCA) inven 4-Hydroxy-3-(trifluoromethyl)benzoniti This product or mixture does not conta CFR §372.38(a) subject to the reportin and 40 CFR Part 372. 15.2. International regulations CANADA	itory except for: rile ain a toxic chemical or chem	CAS No 124811-71-8 icals in excess of the applicable de	100% minimis concentration as specified in 40
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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

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xt of H-phrases:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
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
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation

NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 0 - Materials that will not burn.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	: 0 Minimal Hazard - Materials that will not burn
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT

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.

react with water, polymerize, decompose, condense, or self-react. Non-Explosives.