

4-(Trifluoromethyl)cinnamaldehyde Safety Data Sheet 2915314 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 11/23/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 4-(Trifluoromethyl)cinnamaldehyde
CAS No	: 41917-83-3
Product code	: 2915-3-14
Formula	: C10H7F3O
Synonyms Other means of identification	: PTF-CNM; (E)-3-[4-(Trifluoromethyl)phenyl)-2-propenamide : MFCD09835193
	substance or mixture and uses advised against
Jse of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Details of the supplier of the sa	afety data sheet
SynQuest Laboratories, Inc. Ρ.Ο. Box 309 Alachua, FL 32615 - United States of Ameri Γ (386) 462-0788 - F (386) 462-7097 <u>nfo@synquestlabs.com</u> - <u>www.synquestlab</u>	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificat	tion
2.1. Classification of the substance	
Classification (GHS-US)	
Eye Irrit. 2AH319 - Causes serious eyeSTOT SE 3H335 - May cause respirato	
STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16	
STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements	
STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	ry irritation
STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	ry irritation : CHS07
STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	 ary irritation ary irritation ary irritation ary irritation ary irritation ary irritation brain irritation brain irritation clauses serious eye irritation brain irritation clauses serious eye irritation clauses serious eye irritation brain irritation irritation clauses serious eye irritation clauses serious eye irritation clauses serious eye irritation present and easy to do continue rinsing prover irritation eyes irritation prover irritation event irritation irritation irritation irritation irritation irritation prover irritation irritation persists: Get medical advice/attention prover irritation irritation proversits: Get medical advice/attention prover irritation irritation irritation and wash it before reuse prover irritation irritation irritation and wash it before reuse prover irritation irritation irritation and wash it before reuse prover irritation irri
STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US) Hazard statements (GHS-US)	 ary irritation ary irritation ary irritation ary irritation ary irritation ary irritation brownia causes skin irritation causes serious eye irritation causes serious eye irritation cause sepiratory irritation cause sepiratory irritation cause respiratory irritation cost in a well-ventilated area past-P334 - If kin irritation occurs: Get medical advice/attention past-P334 - Take off contaminated clothing and wash it before reuse p403+P233 - Store in a well-ventilated place. Keep container tightly closed

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2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)	1			
Not applicable				
SECTION 3: Composition/informat	ion on in	gredients		
3.1. Substance				
Substance type	: Mono	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
4-(Trifluoromethyl)cinnamaldehyde (Main constituent)		(CAS No) 41917-83-3	<= 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	where	se of accident or if you feel unwell, seek e possible). Move the affected personne	el away from the	contaminated area.
First-aid measures after inhalation		ove person to fresh air and keep comfor ration. Get medical advice/attention.	table for breathin	ng. If not breathing, give artificial
First-aid measures after skin contact		n with plenty of soap and water. Get me		
First-aid measures after eye contact	prese	ediately flush eyes thoroughly with water ent and easy to do. Continue rinsing. Ge	t medical advice	/attention.
First-aid measures after ingestion		OT induce vomiting. Never give anythin h out with water. Get medical advice/att		n unconscious person. Rinse
4.2. Most important symptoms and eff	facts both			
4.2. Wost important symptoms and en		acute and delayed		
	: The r	acute and delayed nost important known symptoms and ef and/or in section 11.	fects are describ	ed in the labelling (see section
Symptoms/injuries	: The r 2.2) a	nost important known symptoms and ef and/or in section 11.	fects are describ	ed in the labelling (see section
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Symptoms/injuries 4.3. Indication of any immediate media Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the second	: The r 2.2) a cal attentio : Alcor appro : Therr : In cas : Wear appa easures equipment	nost important known symptoms and ef and/or in section 11. In and special treatment needed nol resistant foam. Carbon dioxide. Dry p opriate for surrounding fire. or mixture mal decomposition generates: Carbon of se of fire: Evacuate area. If gas tight chemically protective clothing ratus. For further information refer to se	bowder. Water s xides. Hydrogen in combination v ction 8: "Exposu	pray. Use extinguishing media fluoride. with self contained breathing re controls/personal protection".
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Symptoms/injuries 4.3. Indication of any immediate media Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the s Fire hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release me 6.1. Personal precautions, protective of General measures 6.1.1. For non-emergency personnel	: The r 2.2) a cal attentio : Alcoh appro : Therr : In ca: : Wear appa : Wear appa : Evac : Only : Do no	nost important known symptoms and ef and/or in section 11. In and special treatment needed nol resistant foam. Carbon dioxide. Dry p opriate for surrounding fire. or mixture mal decomposition generates: Carbon of se of fire: Evacuate area. If gas tight chemically protective clothing ratus. For further information refer to se and emergency procedures uate unnecessary personnel. Ensure ac	bowder. Water s xides. Hydrogen in combination v ction 8: "Exposu dequate air ventil ble protective equi e protective equi	pray. Use extinguishing media fluoride. with self contained breathing re controls/personal protection". lation. Do not breathe dust. uipment may intervene.

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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6.3. Methods and material fo	r 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	dling
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. Keep away from ignition sources. Air 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

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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 a	nd chemical properties		
	inu chemical properties		
Physical state	: Solid		
Color	: No data available		
Odor	: No data available		
Odor threshold	: No data available		
DH	: No data available		
Melting point	: 55 - 57 °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		
-lammability (solid, gas)	: No data available		
Explosion limits	: No data available		
Explosive properties	: No data available		
Oxidizing properties	: No data available		
√apor pressure	: No data available		
Relative density	: No data available		
Relative vapor density at 20 °C	: No data available		
Molecular mass	: 200.16 g/mol		
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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	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling and stor	age 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 oxidizing agents.	
10.6. Hazardous decomposition products	
Under normal conditions of storage and use, haz fire, see Section 5.	ardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological informati	on
11.1. Information on toxicological effects	
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
SECTION 12: Ecological information	
SECTION 12: Ecological information 12.1. Toxicity	
12.1. Toxicity	
12.1.ToxicityNo additional information available	

12.3. Bioaccumulative potential No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects No additional information available

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SECTION 13: Disposal considerati	ons
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 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:

	4-(Trifluoromethyl)cinnamaldehyde	CAS No 41917-83-3	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

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	: 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	: 2 Moderate Hazard - Temporary or minor injury may occur
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 react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

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