

# trans-2,3-Difluorocinnamic acid Safety Data Sheet 2921323 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 10/02/2015 Version: 1.0

SECTION 1: Identification			
I.1. Identification			
Product form	: Substance		
Substance name	: trans-2,3-Difluorocinnam	ic acid	
CAS No	: 207981-48-4		
Product code	: 2921-3-23		
Formula	: C9H6F2O2		
Other means of identification	: MFCD00061291		
.2. Relevant identified uses of the s	substance or mixture and uses	advised against	
Jse of the substance/mixture	: Laboratory chemicals Manufacture of substand Scientific research and c		
.3. Details of the supplier of the sat	fety data sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Americ Γ (386) 462-0788 - F (386) 462-7097 nfo@synquestlabs.com - www.synquestlabs			
.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Com	pany - Account 10069)	
SECTION 2: Hazard(s) identificati	ion		
2.1. Classification of the substance			
Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritation			
Eye Irrit. 2A H319 - Causes serious eye i STOT SE 3 H335 - May cause respirator 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 irrita H319 - Causes serious e H335 - May cause respir	ye irritation	
Precautionary statements (GHS-US)	P280 - Wear protective of P302+P352 - If on skin: P304+P340 - If inhaled: P305+P351+P338 - If in lenses, if present and ea P312 - Call a POISON Of P321 - Specific treatmer P332+P313 - If skin irrita P337+P313 - If eye irrita P362+P364 - Take off or P403+P233 - Store in a P405 - Store locked up		
12/08/2016	EN (English US)	SDS ID: 2921323	Page 1

## trans-2,3-Difluorocinnamic acid Safety Data Sheet

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 identifier	%	Classification (GHS-US)
trans-2,3-Difluorocinnamic acid (Main constituent)	(CAS No) 207981-48-4	<= 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	: In case of accident or if you feel u where possible). Move the affecte	ed personnel away from the	ne contaminated area.
First-aid measures after inhalation	respiration. Get medical advice/a	tention.	thing. If not breathing, give artificial
First-aid measures after skin contact	: Wash with plenty of soap and wa		
First-aid measures after eye contact	present and easy to do. Continue	rinsing. Get medical advi	
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.		
4.2. Most important symptoms and ef			
the second se	ffects, both acute and delayed : The most important known sympt	oms and effects are desc	ribed in the labelling (see section
Symptoms/injuries	: The most important known sympt 2.2) and/or in section 11.		ribed in the labelling (see section
Symptoms/injuries 4.3. Indication of any immediate med	: The most important known sympt		ribed in the labelling (see section
Symptoms/injuries 4.3. Indication of any immediate med Treat symptomatically.	: The most important known sympt 2.2) and/or in section 11.		ribed in the labelling (see section
Symptoms/injuries 4.3. Indication of any immediate med Treat symptomatically. SECTION 5: Firefighting measures	: The most important known sympt 2.2) and/or in section 11.		ribed in the labelling (see section
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#### Safety Data Sheet

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

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

6.4.	Referer	ice to	other a	section

No additional information available **SECTION 7: Handling and storage** Precautions for safe handling 7.1. Precautions for safe handling : Ensure good ventilation of the work station. Do not breathe dust. Avoid raising dust. Wear personal protective equipment. Avoid contact with skin and eyes. Hvgiene 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, including any incompatibilities Storage conditions : Keep container tightly closed. 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. Chemical goggles or safety glasses. Face shield. Eye protection Skin and body protection Wear suitable protective clothing. Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. **SECTION 9: Physical and chemical properties** 9.1. Information on basic physical and chemical properties Physical state : Solid : No data available Color : No data available Odor Odor threshold : No data available pН : No data available 200 - 202 °C Melting point Freezing point No data available Boiling point : No data available Flash point : > 110 °C 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 : No data available Relative density Relative vapor density at 20 °C : No data available Molecular mass 184.14 g/mol Solubility No data available Log Pow No data available Auto-ignition temperature No data available

Decomposition temperature

No data availableNo data available

: No data available

: No data available

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

9.2. Other information	
No additional information available	
<b>SECTION 10: Stability and reactivity</b>	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling and sto	rage conditions.
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
No additional information available	
10.5. Incompatible materials	
Strong bases. Strong oxidizing agents.	
10.6. Hazardous decomposition products	
Under normal conditions of storage and use, haz fire, see Section 5.	zardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological informat	ion
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

SECTI	ON 12: Ecological information
12.1.	Tovisity
12.1.	Toxicity
No additi	onal information available
12.2.	Persistence and degradability
No additi	onal information available
12.3.	Bioaccumulative potential
No additi	onal information available
12.4.	Mobility in soil
No odditi	onal information available
NO auuli	
12.5.	Other adverse effects
No additi	onal information available
no addit	

SECTION 13: Disposal consideration	ns
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.

#### Safety Data Sheet

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

#### SECTION 14: Transport information

#### **Department of Transportation (DOT)**

In accordance with DOT Not regulated for transport

#### TDG

No additional information available

### No additional information available

Transport by sea

#### 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:

trans-2,3-Difluorocinnamic acid	CAS No 207981-48-4	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

NFPA health hazard

NFPA fire hazard

NFPA reactivity

 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
 0 - Materials that will not burn.

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



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

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)

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.