

Safety Data Sheet 26293Y3 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/29/2015 Version: 1.0

SECTION 1: Identification			
.1. Identification			
	O defense		
Product form	: Substance		
Substance name	: 2,5-Difluoromandelic acid		
CAS No	: 207853-61-0		
Product code	: 2629-3-Y3		
ormula	: C8H6F2O3		
Other means of identification	: MFCD00061297		
.2. Relevant identified uses of the su	bstance or mixture and uses advised against		
Jse of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development		
.3. Details of the supplier of the safet	ty data sheet		
synQuest Laboratories, Inc.			
P.O. Box 309 Machua, FL 32615 - United States of America (386) 462-0788 - F (386) 462-7097			
nfo@synquestlabs.com - www.synquestlabs.c .4. Emergency telephone number			
.4. Emergency telephone number	: (844) 523-4086 (3E Company - Account 10069)		
mergency number	: (844) 523-4086 (3E Company - Account 10069)		
ECTION 2: Hazard(s) identificatio	n		
1. Classification of the substance or	mixture		
lassification (GHS-US)			
Skin Irrit. 2 H315 - Causes skin irritation	itation		
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irri			
Skin Irrit. 2H315 - Causes skin irritationye Irrit. 2AH319 - Causes serious eye irriSTOT SE 3H335 - May cause respiratory			
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Skin Irrit. 2 H315 - Causes skin irritation ye Irrit. 2A H319 - Causes serious eye irri STOT SE 3 H335 - May cause respiratory full text of H-phrases: see section 16			
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye irri STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16 2.2. Label elements			
Eye Irrit. 2A H319 - Causes serious eye irri STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16			
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye irrit STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16 Label elements SHS-US labeling	irritation		
kin Irrit. 2 H315 - Causes skin irritation ye Irrit. 2A H319 - Causes serious eye irri TOT SE 3 H335 - May cause respiratory full text of H-phrases: see section 16 .2. Label elements GHS-US labeling lazard pictograms (GHS-US)	irritation : CHS07		
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye irrit STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16 :.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	irritation : GHS07 : Warning		
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye irrit STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16 :.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	irritation : ; GHS07		
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye irrit STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16 2.2. Label elements SHS-US labeling	 irritation : i irritation : i GHS07 : Warning i H315 - Causes skin irritation H319 - Causes serious eye irritation 		

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2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US))			
Not applicable				
SECTION 3: Composition/informat	ion on in	gredients		
3.1. Substance				
Substance type	: Mono	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
2,5-Difluoromandelic acid (Main constituent)		(CAS No) 207853-61-0	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16				5101 52 3, 11555
.2. Mixture				
lot applicable				
ECTION 4: First aid measures				
.1. Description of first aid measures				
irst-aid measures general		se of accident or if you feel unwell, seek e possible). Move the affected personne		
irst-aid measures after inhalation		ove person to fresh air and keep comford ration. Get medical advice/attention.	able for breathin	ng. If not breathing, give artificial
irst-aid measures after skin contact	: Wasl	n with plenty of soap and water. Get mee	lical advice/atter	ntion.
ïrst-aid measures after eye contact		ediately flush eyes thoroughly with water ent and easy to do. Continue rinsing. Ge		
irst-aid measures after ingestion		OT induce vomiting. Never give anything h out with water. Get medical advice/atte		unconscious person. Rinse
.2. Most important symptoms and ef	fects, both	acute and delayed		
ymptoms/injuries		nost important known symptoms and eff and/or in section 11.	ects are describ	ed in the labelling (see section
.3. Indication of any immediate medi	cal attentic	n and special treatment needed		
reat symptomatically.				
SECTION 5: Firefighting measures				
.1. Extinguishing media				
Suitable extinguishing media		nol resistant foam. Carbon dioxide. Dry p opriate for surrounding fire.	owder. Water s	oray. Use extinguishing media
.2. Special hazards arising from the	substance	or mixture		
ire hazard		nal decomposition generates: Carbon o	kides. Hydrogen	fluoride.
.3. Advice for firefighters			, ,	
irefighting instructions	· In ca	se of fire: Evacuate area.		
Protection during firefighting	: Wea	r gas tight chemically protective clothing ratus. For further information refer to sec		
ECTION 6: Accidental release me	asures			
.1. Personal precautions, protective	equipment	and emergency procedures		
eneral measures		uate unnecessary personnel. Ensure ad	equate air ventil	ation. Do not breathe dust.
.1.1. For non-emergency personnel				
mergency procedures	: Only	qualified personnel equipped with suitab	le protective eq	uipment may intervene.
.1.2. For emergency responders				
Protective equipment		ot attempt to take action without suitable to section 8: "Exposure controls/persona		oment. For further information
.2. Environmental precautions				
void release to the environment. Notify author	orities if proc	duct enters sewers or public waters.		
.3. Methods and material for contain	ment and c	leaning up		
or containment	: Stop	leak if safe to do so.		
2/06/2016				

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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 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 dust, mist, spray. Wear personal protective
	equipment. Avoid contact with skin and eyes.

.2. Conditions for safe storage, including any incompatibilities		
Technical measures	: Comply with applicable regulations.	
Storage conditions	: Keep container closed when not in use. Hygroscopic. Keep contents under inert gas.	
Incompatible materials	: Refer to Section 10 on Incompatible Materials.	
Storage area	: Store in dry, cool, well-ventilated area.	
Incompatible materials	: Refer to Section 10 on Incompatible Materials.	

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 an	d che	mical properties
Physica	Il state	:	Solid
Color		:	No data available
Odor		:	No data available
Odor the	reshold	:	No data available
pН		:	No data available
Melting	point	:	110 - 112 °C
Freezing	g point	:	No data available
Boiling p	point	:	No data available
Flash po	oint	:	No data available
Relative	e evaporation rate (butyl acetate=1)	:	No data available
Flamma	ability (solid, gas)	:	No data available
Explosic	on limits	:	No data available
Explosiv	ve properties	:	No data available
Oxidizin	ng properties	:	No data available
Vapor p	pressure	:	No data available
Relative	e density	:	No data available
Relative	e vapor density at 20 °C	:	No data available
Molecul	lar mass	:	188.13 g/mol
Solubilit	ty	:	No data available
Log Pov	N	:	No data available

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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 re	eactivity
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling	ng and storage conditions.
10.3. Possibility of hazardous re	eactions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flam	ne.
10.5. Incompatible materials	
Strong oxidizing agents.	
10.6. Hazardous decomposition	n products
Under normal conditions of storage ar fire, see Section 5.	nd use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological i	information
11.1. Information on toxicologic	cal effects
Acute toxicity	: Not classified
Skin correction/irritation	· Courses align irritation

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.	Toxicity
No addit	ional information available
12.2.	Persistence and degradability
No addit	ional information available
12.3.	Bioaccumulative potential
No addit	ional information available
12.4.	Mobility in soil
No addit	ional information available
12.5.	Other adverse effects
No addit	ional information available

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SECTION 13: Disposal considerations		
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 Additional information	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:

2,5-Difluoromandelic acid	CAS No 207853-61-0	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	: 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)

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.