

Safety Data Sheet 2621711 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 03/04/2016 Version: 1.0

Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mixture Classification (GHS-US) Skin Irrit. 2. H315 - Causes skin irritation Eye Irrit. 2A. H315 - Causes serious eye irritation STOT SE 3. H335 - May cause respiratory irritation Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) : Warning Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : Warning Precautionary statements (GHS-US) : P261 - Avoid breathing dust, mist, spray P264 - Wash skin throughly after handing P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective glows/protective clothing/eye protection/face protection P302+P322 - If on skin: Wash with plenty of spap and water P304-P320 - Ein Intrade: Remove person to fresh air and keep comfortable for breathing P31 - Caul a POISON CENTER or doctor/physician if you feel unwell P324-P324 - Ein Intrade: Remove person to fresh air and keep comfortable for breathing P31 - Caul a POISON CENTER or doctor/physician if you feel unwell P324-P324 - Fin Intrade: Remove person to fresh air and keep comfortabl		
Product form : Substance Substance name : 2.4-Diutoro-5-fluorophenylacetic acid CAS No : 10129-77-8 Product code : 2621-7-11 Formula : C845/C2FO2 Synonyms : 24(2.4-Diutoro-5-fluorophenylacetic acid Other means of identification : NFCDO1631383 1.2. Relevant identified uses of the substance 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 sately data sheet SynOuses Laboratories, Inc. P.O. Box 309 Akachas, PL 23015 - United States of America Trophylogenetic acid (States acid (States of America Trophylogenetic acid (States of America Trophylogenetic acid (States acid	SECTION 1: Identification	
Substance name : 2.4-Dichoro-5-fluorophenylacetic acid CAS No : 2021-7.1 Formula : 2	1.1. Identification	
CAS No : 1012977-8 Product code : 2621-7-11 Formula : CeHSC12FO2 Synonyms : 2-(2.4.Dichloro-5-fluoophenyl)acetic acid Other means of identification : MCDD1631333 1.2. Relevant identification : MCDD1631333 1.3. Details of the substance or mixture and uses advised against 1.3. Details of the substance is Scientific research and development 1.3. Details of the substance or mixture : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mixture Classification (GHS-US) Sin Inft 2 H315 - Causes skin irritation Evel inft 2A H315 - Causes series aver irritation Evel inft 2A H315 - Causes series aver irritation Evel inft 2A H315 - Causes series aver irritation H318 - Causes even irritation Evel inft 2A H315 - Causes series aver irritation Evel inft 2A H315 - Causes even ir	Product form	: Substance
Product code : 2421-711 Formula : C4H5C12F02 Synonyms : 2424-Dichhoro-5-fluorophenyljacetic acid Other means of identification : MFCD01631383 1.2. Relevant identified uses of the substance 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 data sheet SynOuser Laboratories, Inc. P.O. Box 200 Alexhus FL 32615 - United States of America T (386) 462-0786 - F (386) 462-7097 info@13yonguetathos.com - vww.younguetablas.com 1.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTON 2: Hazard (5) Identification 1.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTON 2: Hazard (5) Identification STOT SE 3 H335 - May cause respiratory irritation STOT SE 3 H335 - May cause respiratory irritation H319 - Causes series respiratory irritation H319 - Causes series respiratory irritation H319 - Causes series respiratory irritation P130 - P241 - Avoid breathing dust, mist, spray P267 - V368 with inbroughy are the handling P277 - Use only outdoors or in a well-ventilized area P326 - P335 - Hand M30, was the perform of may and matter P326 - P336 - Hand Continue finging P312 - Call a POISON CENTER or doctoring protection P304 + P335 - Hander Continue draing P312 - Call a POISON CENTER or doctoring which was his below) P337 + P333 - H in eyeir: Kine a cautoously with wat for fore stored in may have his bister)	Substance name	: 2,4-Dichloro-5-fluorophenylacetic acid
Formula : C8H5Cl2FO2 Synoryms :: 24(2.4 Clochoro-5-Hurophenyl)acetic acid Other means of identification :: MFCDD1631383 1.2 Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture :: Laboratory chemicals Manufacture of aubstances Scientific research and development 1.3 Details of the supplier of the safety data sheet SynOpuseI Laboratories, Inc. P.O. Box 300 P.O. Box 300 Relevant identified uses of America T (388) 462-0785 - United States of America T (388) 462-0785 - F (388) 462-0786 - F (388) 462-0787 info@ Synouesilabs.com - uww. synouesilabs.com 14.0 Emergency number Emergency number : (844) 523-4088 (3E Company - Account 10069) SECTION 2: Hazard(s) Identification Classification of the substance or mixture Classification of the substance or mixture Classification of the substance or mixture Classification of US-US) :: waning Full text of H-phrases: see section 16 : classification (GHS-US) 22. Laboral dements GHS-US labeling :: Waning Hazard statements (GHS-US) :: Waning Precautionary statements (GHS-US) :: P281 - Auoid breating dust, mist, apray P282 - P283 - Howed his hobroophysi are handling P287 - P284 - Wash his his horozoph	CAS No	: 10129-77-8
Synonyms : 2-12.4-Dichloro-5-fluorophenyl)acetic acid Cher means of identification : MFCDO1631383 Use of the substance/mixture : Laboratory chemicale Use of the substance/mixture : Laboratory chemicale Scientific research and development 1.3. Details of the supplier of the safety data sheet SynOutest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0789 - F (386) 462-7097 Info 82 synOutest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0789 - F (386) 462-7097 Info 82 synOutest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0789 - F (386) 462-7097 Info 82 synOutest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0789 - F (386) 462-7097 Info 82 synOutest Laboratories, Inc. 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 mixture Classification (GHS-US) Signal word (GHS-US) Signal word (Product code	: 2621-7-11
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SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-7097 T (386) 462-7097 is (844) 523-4086 (3E Company - Account 10069) Stemagency telephone number Emergency telephone number Emergency telephone number Classification (CHS-US) SteCTION 22 Hazard(S) Identification 2.1. Classification (CHS-US) Skin Inti. 2 Skin Inti. 2 Point 2 Classification (CHS-US) Skin Int. 2 Skin Int. 2 Full ext of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard statements (GHS-US) :	Use of the substance/mixture	Manufacture of substances
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P501 - Dispose of contents/container to an approved waste disposal plant	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) Signal word (GHS-US)	 irritation ry irritation : irritation : irritation : irritation : irritation : Warning : 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/information	on ingredients		
3.1. Substance			
Substance type :	Mono-constituent		
Name	Product identifier	%	Classification (GHS-US)
2,4-Dichloro-5-fluorophenylacetic acid (Main constituent)	(CAS No) 10129-77-8	<= 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 unwe where possible). Move the affected pe	,	
First-aid measures after inhalation :	Remove person to fresh air and keep respiration. Get medical advice/attent		ing. If not breathing, give artificial
First-aid measures after skin contact :	Wash with plenty of soap and water.	Get medical advice/atte	ention.
First-aid measures after eye contact :	Immediately flush eyes thoroughly wit present and easy to do. Continue rins		
First-aid measures after ingestion :	Do NOT induce vomiting. Never give mouth out with water. Get medical ad		n unconscious person. Rinse
4.2. Most important symptoms and effects,	both acute and delayed		
Symptoms/injuries :	The most important known symptoms 2.2) and/or in section 11.	and effects are descril	bed in the labelling (see section
4.3. Indication of any immediate medical at	tention and special treatment neede	d	
Treat symptomatically.			
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
	Alcohol resistant foam. Carbon dioxid appropriate for surrounding fire.	e. Dry powder. Water s	spray. Use extinguishing media
5.2. Special hazards arising from the subst	ance or mixture		
Fire hazard :	Thermal decomposition generates: Ca	arbon oxides. Hydroger	n chloride. Hydrogen fluoride.
5.3. Advice for firefighters			
	In case of fire: Evacuate area.		
Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".			
SECTION 6: Accidental release measure	res		
6.1. Personal precautions, protective equip			
	Evacuate unnecessary personnel. En	sure adequate air vent	ilation. Do not breathe dust.
6.1.1. For non-emergency personnel			
0 11	Only qualified personnel equipped wit	h suitable protective ec	quipment may intervene.
6.1.2. For emergency responders			
	Do not attempt to take action without refer to section 8: "Exposure controls/		ipment. For further information
6.2. Environmental precautions			

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

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6.3. 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 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.		
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, including any incompatibilities			
Technical measures : Comply with applicable regulations.			
Storage conditions	· Keen container closed when not in use		

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.

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 chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: No data available
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
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	: 223.03 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 reactivi	tv
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling and s	storage conditions.
10.3. Possibility of hazardous reactions	S
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flame.	
10.5. Incompatible materials	
Strong bases. Strong oxidizing agents.	
10.6. Hazardous decomposition produc	cts
Under normal conditions of storage and use, h fire, see Section 5.	nazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological inform	ation
11.1. Information on toxicological effect	ts
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

Carcinogenicity	
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	SECTION 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	No additional information available			
12.5.	2.5. Other adverse effects			
No additional information available				
12/06/201	6	EN (English US)	SDS ID: 2621711	4/6

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SECTION 13: Disposal consider	ations
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	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) inventory	or excluded from listing, on the United States Environmental Protection Agency Toxic / except for:

2.4 Disblars E fluerenhandesstie soid	CAS No 10120 77 9	4000/
2,4-Dichloro-5-fluorophenylacetic acid	CAS No 10129-77-8	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.