

Safety Data Sheet 2121116 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 07/17/2017 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 2,2-Dimethylsuccinic ac	d	
CAS No	: 597-43-3		
Product code	: 2121-1-16		
Formula	: C6H10O4		
Synonyms	: 2,2-Dimethylbutane-1,4	dioic acid	
Other means of identification : MFCD00004196			
1.2. Relevant identified uses of the	substance or mixture and uses	advised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substan Scientific research and	ces	
1.3. Details of the supplier of the sa			
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Amer T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab	ica		
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Cor	ipany - Account 10069)	
SECTION 2: Hazard(s) identificat	tion		
2.1. Classification of the substance			
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 irrit H319 - Causes serious H335 - May cause respi	eye irritation	
Precautionary statements (GHS-US)	P280 - Wear protective P302+P352 - If on skin: P304+P340 - If inhaled: P305+P351+P338 - If ir lenses, if present and ei P312 - Call a POISON (P321 - Specific treatme P332+P313 - If skin irrit P337+P313 - If skin irrit P362+P364 - Take off (P403+P233 - Store in a P405 - Store locked up		preathing
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Not applicable SECTION 3: Composition/information on ingredients Substance type Substance type Mono-constituent Name Substance type Mono-constituent Name (CAS No) 597-43-3 Cassification Skin Irrit. 2, Hat Eye Irrit. 2A, Hat Eye Ir	(GHS-US)		
Not applicable SECTION 3: Composition/information on ingredients Anne Substance type Substance Substance type Substance Substance Su	(GHS-US)		
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(Main constituent) Eye Intri. 2A, H3 STOT SE 3, H3 Full text of H-phrases: see section 16 3.2. Mixture Not applicable SECTION 4: First aid measures First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (sh where possible). Move the affected personnel away from the contaminated ar sepiration. Get medical advice/attention. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathin respiration. Get medical advice/attention. First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove present and easy to do. Continue rinsing. Get medical advice/attention. First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious pe mouth out with water. Get medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : The most important known symptoms and effects are described in the labellin 2.2) and/or in section 11. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use exting appropriate for surrounding fire. 5.1. Extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use exting apa			
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5.3. Advice for firefighters			
The California State of the second state of th			
Firefighting instructions : In case of fire: Evacuate area.			
Protection during firefighting : Wear gas tight chemically protective clothing in combination with self container apparatus. For further information refer to section 8: "Exposure controls/perso			
SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not bre	athe dust.		
5.1.1. For non-emergency personnel			
Emergency procedures : Only qualified personnel equipped with suitable protective equipment may inte	rvene.		
6.1.2. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further refer to section 8: "Exposure controls/personal protection".			

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

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6.3. Methods and material for contai	nment 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	e
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, incl	luding any incompatibilities
Technical measures	· Comply with applicable regulations

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.

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

Physical state: SolidColor: No data availableOdor: No data availableOdor threshold: No data availablepH: No data availableMelting point: 138 - 142 °CFreezing point: No data availableBoiling point: No data availableFlash point: No data availableRelative evaporation rate (butyl acetate=1): No data availableExplosion limits: No data availableExplosion properties: No data availableOxidizing properties: No data availableVapor pressure: No data availableRelative vapor density at 20 °C: No data availableRelative vapor density at 20 °C: No data available	9.1. Information on basic physical a	nd chemical properties
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Vapor pressure: No data availableRelative density: No data availableRelative vapor density at 20 °C: No data available	Explosive properties	: No data available
Relative density : No data available Relative vapor density at 20 °C : No data available	Oxidizing properties	: No data available
Relative vapor density at 20 °C : No data available	Vapor pressure	: No data available
	Relative density	: No data available
	Relative vapor density at 20 °C	: No data available
Molecular mass : 146.14 g/mol	Molecular mass	: 146.14 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

SECTI	ION 10: Stability and reactivity
10.1.	Reactivity
No addit	tional information available
10.2.	Chemical stability
The proc	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No addit	tional information available
10.4.	Conditions to avoid
Keep av	vay from heat, sparks and flame.
10.5.	Incompatible materials
Strong o	oxidizing agents.
10.6.	Hazardous decomposition products
	ormal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of Section 5.
SECTI	ION 11: Toxicological information
11.1.	Information on toxicological effects
Acute to	vicity · Not classified

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

SEC	FION 12: Ecological information	on		
12.1.	Toxicity			
No add	ditional information available			
12.2.	Persistence and degradability			
No add	ditional information available			
12.3.	Bioaccumulative potential			
No add	ditional information available			
12.4.	Mobility in soil			
No add	ditional information available			
12.5.	Other adverse effects			
No add	ditional information available			
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SECTION 13: Disposal considera	tions		
13.1. Waste treatment methods			
Waste treatment methods	: Remove to an a	authorized incinerator equipped wi	th an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of cont	ents/container in accordance with	licensed collector's sorting instructions.
Additional information	: Recycle the ma	terial as far as possible.	-
		·	
SECTION 14: Transport informat	ion		
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 informa	tion		
15.1. US Federal regulations			
All components of this product are listed, of		on the United States Environmenta	al Protection Agency Toxic
Substances Control Act (TSCA) inventory	except for:		
2,2-Dimethylsuccinic acid		CAS No 597-43-3	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

2,2-Dimethylsuccinic acid (597-43-3)	
Listed on the TCSI (Taiwan Chemical Substance Inventory)	

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	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is 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.