

Safety Data Sheet 6H625X7

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 05/13/2021 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 2,2-Dimethylchromane-6-sulfonyl chloride
CAS No	: 131880-55-2
Product code	: 6H62-5-X7
Formula	: C11H13CIO3S
Other means of identification	: MFCD03407324
1.2. Relevant identified uses of the su	bstance 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 safet	ty data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.com	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificatio	n
2.1. Classification of the substance or	
Classification (GHS-US)	
Skin Corr. 1BH314 - Causes severe skin bEye Dam. 1H318 - Causes serious eye cSTOT SE 3H335 - May cause respirator	damage
Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	GHS05 GHS07
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H314 - Causes severe skin burns and eye damage H335 - May cause respiratory irritation

Precautionary statements (GHS-US)

H335 - May cause respiratory irritation : P260 - Do not breathe dust, mist, sprav P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call a POISON CENTER or doctor/ physician P321 - Specific treatment (see supplemental first aid instructions on this label) P363 - Wash contaminated clothing before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant

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2.3. Other hazards			
Other hazards not contributing to the classification :	Lachrymator.		
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)
2,2-Dimethylchromane-6-sulfonyl chloride (Main constituent)	(CAS No) 131880-55-2	<= 100	Skin Corr. 1B, H314 Eye Dam. 1, H318 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 unwell, seek where possible). Move the affected personnel		
First-aid measures after inhalation :	Remove person to fresh air and keep comfortar respiration. Get immediate medical advice/atte		g. If not breathing, give artificial
First-aid measures after skin contact :	Wash with plenty of soap and water. Remove medical advice/attention.	contaminated cl	othing and shoes. Get immediate
First-aid measures after eye contact :	Immediately flush eyes thoroughly with water present and easy to do. Continue rinsing. Get		
First-aid measures after ingestion :	Do NOT induce vomiting. Never give anything mouth out with water. Get immediate medical	by mouth to an	unconscious person. Rinse
4.2. Most important symptoms and effects,	both acute and delayed		
	The most important known symptoms and efference 2.2) and/or in section 11.	ects are describe	ed in the labelling (see section
Symptoms/injuries after inhalation :	Material is destructive to tissue of the mucuou shortness of breath, headache, nausea.	s membranes a	nd upper respiratory tract. Cough,
4.3. Indication of any immediate medical at	tention and special treatment needed		
Treat symptomatically.			
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
0 0	Alcohol resistant foam. Carbon dioxide. Dry prappropriate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
5.2. Special hazards arising from the subst	ance or mixture		
Fire hazard :	Thermal decomposition generates: Carbon ox	ides. Hydrogen	chloride. Sulfur oxides.
Reactivity :	Reacts with water, generates gases or heat. F release highly explosive/flammable hydrogen		ure to water with some metals to
5.3. Advice for firefighters			
Firefighting instructions :	In case of fire: Evacuate area.		
Protection during firefighting :	Wear gas tight chemically protective clothing i apparatus. For further information refer to see		
SECTION 6: Accidental release measu	res		
6.1. Personal precautions, protective equip	oment and emergency procedures		
	Evacuate unnecessary personnel. Ensure ade	equate air ventila	tion. Do not breathe dust.
6.1.1. For non-emergency personnel			
Emergency procedures :	Only qualified personnel equipped with suitab	le protective equ	ipment may intervene.

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6.1.2.	For emergency responders	
Protectiv	ve equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2.	Environmental precautions	
Avoid re	elease to the environment. Notify aut	thorities if product enters sewers or public waters.
6.3.	Methods and material for contai	inment and cleaning up
For cont	tainment	: Stop leak if safe to do so.
Methods	s for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Other in	formation	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4.	Reference to other sections	
-	Reference to other sections itional information available	
No addi		le
No addi SECTI	tional information available	e
<b>SECT</b> 7.1.	itional information available ION 7: Handling and storag	<ul> <li>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.</li> </ul>
No addir SECTI 7.1. Precauti	tional information available ION 7: Handling and storag 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
No addi SECTI 7.1. Precauti Hygiene	tional information available ION 7: Handling and storag Precautions for safe handling tions for safe handling	<ul> <li>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.</li> <li>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.</li> </ul>
No addi SECTI 7.1. Precauti Hygiene 7.2.	tional information available ION 7: Handling and storag Precautions for safe handling tions for safe handling	<ul> <li>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.</li> <li>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.</li> </ul>
No addi SECTI 7.1. Precauti Hygiene 7.2. Technic	tional information available ION 7: Handling and storag Precautions for safe handling tions for safe handling e measures Conditions for safe storage, inc	<ul> <li>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.</li> <li>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.</li> </ul>
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Storage area	: Store in dry, well-ventilated area.
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## **SECTION 8: Exposure controls/personal protection**

**Control parameters** 8.1.

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 and	I chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 92 - 94 °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
Flammability (solid, gas)	: No data available
Explosion limits	: No data available

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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	: 260.737 g/mol
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

Reacts with water, generates gases or heat. Reacts on exposure to water with some metals to release highly explosive/flammable hydrogen gas.

#### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

Keep away from heat, sparks and flame. Moisture.

## 10.5. Incompatible materials

Alcohols. Oxidizing agents. Strong bases. Water.

#### **10.6.** Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
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
Symptoms/injuries after inhalation	: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.

## SECTION 12: Ecological information 12.1. Toxicity

No additional information available

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12.2.	Persistence and degradability
No addi	tional information available
12.3.	Bioaccumulative potential
No addi	tional information available
12.4.	Mobility in soil
No addi	tional information available
12.5.	Other adverse effects
No addi	tional information available

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 inst	ructions.
Additional information	: Recycle the material as far as possible.	
SECTION 14: Transport information		
Department of Transportation (DOT)		
In accordance with DOT	. UN2261 Corrective colid coldia ergenia n.e.e. 9. III	
Fransport document description	: UN3261 Corrosive solid, acidic, organic, n.o.s., 8, III	
UN-No.(DOT)	: UN3261	
Proper Shipping Name (DOT)	: Corrosive solid, acidic, organic, n.o.s.	
Transport hazard class(es) (DOT)	: 8 - Class 8 - Corrosive material 49 CFR 173.136	
Hazard labels (DOT)	: 8 - Corrosive	
	8	
Packing group (DOT)	: III - Minor Danger	
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 213	
OOT Packaging Bulk (49 CFR 173.xxx)	: 240	
DOT Symbols	: G - Identifies PSN requiring a technical name	
DOT Special Provisions (49 CFR 172.102)	<ul> <li>IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N) plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Fle 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2).</li> <li>IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a water-resistant liner.</li> <li>T1 - 1.5 178.274(d)(2) Normal</li></ul>	, 21HZ1, xible (13H1, sift-proof and ular and bove their s transported in portable nces of h more pressure, ingent tank with portable ure material
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154	
DOT Quantity Limitations Passenger aircraft/rail 49 CFR 173.27)	: 25 kg	
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 100 kg	
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and passenger vessel.	d on a
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Other information	: No supplementary information available.
TDG	
No additional information available	
Transport by sea	
UN-No. (IMDG)	: 3261
Proper Shipping Name (IMDG)	: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: III - substances presenting low danger
Air transport	
UN-No. (IATA)	: 3261
Proper Shipping Name (IATA)	: Corrosive solid, acidic, organic, n.o.s.
Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: III - Minor Danger

## **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:

2,2-Dimethylchromane-6-sulfonyl chloride CAS No 131880-55-2

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 Dam. 1	Serious eye damage/eye irritation Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation

NFPA health hazard

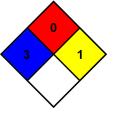
NFPA fire hazard

NFPA reactivity

: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

: 0 - Materials that will not burn.

: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



100%

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HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	: 0 Minimal Hazard - Materials that will not burn
Physical	: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

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.