

1,3-Glyceryl dimethacrylate Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 10/07/2021 Supersedes: 02/05/2013 Version: 1.0

SECTION 1: Identification				
1.1. Identification				
Product form	: Substance			
Trade name	: 1,3-Glyceryl dimethacr	ylate		
CAS-No.	: 1830-78-0			
Product code	: 25420			
Formula	: C11H16O5			
.2. Recommended use and restrictions				
Recommended use	: Use as laboratory reag	ent, Manufacture of sul	ostances	
I.3. Supplier				
Supplier Polysciences 400 Valley Road Warrington, PA 18976 - United States T +1 215 343 6484 - F +1 215 343 0214 info@polysciences.com - www.polysciences.com	om			
.4. Emergency telephone number				
Emergency number	: 24-hour emergency ph	one number ChemTel ²	1-800-255-3924	
SECTION 2: Hazard(s) identification				
2.1. Classification of the substance or n				
GHS US classification				
Acute toxicity (inhalation) Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2B	Harmful if inhale Causes skin irrit Gauses eye irrita	ation		
2.2. GHS Label elements, including pred	cautionary statements			
GHS US labeling				
Hazard pictograms (GHS US)				
Signal word (GHS US)	: Warning			
Hazard statements (GHS US)	: Causes skin irritation Causes eye irritation Harmful if inhaled			
Precautionary statements (GHS US)	: Avoid breathing dust/fu Wash hands, forearms Use only outdoors or ir Wear protective gloves If on skin: Wash with p If inhaled: Remove per	and face thoroughly af a well-ventilated area. protective clothing/eye lenty of water.	ter handling. protection/face p	
2.3. Other hazards which do not result i	n classification			
lo additional information available				
2.4. Unknown acute toxicity (GHS US)				
lot applicable				
SECTION 3: Composition/Informatio	on on ingredients			
3.1. Substances				
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Name		Product identifier	%	GHS US classification
1,3-Glyceryl dimethacrylate (Main constituent)		(CAS-No.) 1830-78-0	≤ 100	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
				Eye Irrit. 2B, H320

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Conditions for safe storage, including any incompatibilities 7.2.

Storage conditions

: Store away from heat. Store in a well-ventilated place. Keep cool. Store at 4 deg. C.

	ON 8: Exposure controls/pers		
	Control parameters		
3-GI	lyceryl dimethacrylate (1830-78-0)		
o ad	Iditional information available		

: Ensure good ventilation of the work station. Appropriate engineering controls Environmental exposure controls

: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. [In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical pr	roperties
9.1. Information on basic physical and ch	emical properties
Physical state	: Liquid
Appearance	: Liquid.
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: no data
Freezing point	: No data available
Boiling point	: 248 °F F
Flash point	: >≥230 °F F
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: no data
Relative vapor density at 20°C	: no data
Relative density	: No data available
Molecular mass	: 228.24
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available

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Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information	n
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Harmful if inhaled.
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Mild eye irritation.
SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
12.2. Persistence and degradability	
No additional information available	

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12.3.	Bioaccumulative potent	ial

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Dis	posal considerations
	posal considerations

13.1. Disposal methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

1,3-Glyceryl dimethacrylate (1830-78-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

1,3-Glyceryl dimethacrylate (1830-78-0) Listed on the Canadian NDSL (Non-Domestic Substances List)

EU-Regulations

National regulations No additional information available

15.3. US State regulations

SECTION 16: Other information

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Hazard Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
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)

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