

Safety Data Sheet 2H109X0 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 06/10/2021 Version: 1.0

Signal word (GHS-US) Hazard statements (GHS-I Precautionary statements	, ,	 H315 - Causes skin irritation H315 - Causes serious eye irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking P261 - Avoid breathing fumes, mist, spray, vapors 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 P302+P352 - If on skin: Wash with plenty of soap and water 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 P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P314 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse
• • •	US)	H315 - Causes skin irritation H319 - Causes serious eye irritation
•		
		GHS07 : Warning : H227 - Combustible liquid
Hazard pictograms (GHS-I	JS)	
GHS-US labeling		
2.2. Label elements		
Flam. Liq. 4 H227 - Cor Skin Irrit. 2 H315 - Cau Eye Irrit. 2A H319 - Cau	mbustible liquid uses skin irritation uses serious eye irritatic y cause respiratory irrita e section 16	
Classification (GHS-US)		
	of the substance or mix	xture
SECTION 2: Hazard	(s) identification	
Emergency number	•	: (844) 523-4086 (3E Company - Account 10069)
T (386) 462-0788 - F (386) info@synquestlabs.com - 1 1.4. Emergency tele	www.synquestlabs.com	
SynQuest Laboratories, In P.O. Box 309 Alachua, FL 32615 - Unite	c. d States of America	
1.3. Details of the s	upplier of the safety da	Scientific research and development
1.2. Relevant identif Use of the substance/mixture		ance or mixture and uses advised against : Laboratory chemicals Manufacture of substances
Synonyms Other means of identificatio	a n	: Tetrahydrofurfuryl bromide : MFCD00016894
		C5H9BrO
		: 2H10-9-X0
Product code Formula		: 1192-30-9
Formula		: 2-(Bromomethyl)tetrahydrofuran
Product code Formula		: Substance
CAS No Product code Formula		

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P370+P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extin P403+P233 - Store in a well-ventilated place. Keep container tightly closed P403+P235 - Store in a well-ventilated place. Keep cool P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant		r tightly closed		
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS U	S)			
Not applicable				
SECTION 3: Composition/information	ation on ingredi	ents		
3.1. Substance	5			
Substance type	: Mono-constit	uent		
			0/	
Name 2-(Bromomethyl)tetrahydrofuran		uct identifier o) 1192-30-9	% <= 100	Classification (GHS-US) Flam. Liq. 4, H227
(Main constituent)		0) 1132-30-3	<= 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 measure	S			
First-aid measures general	: In case of ac	cident or if you feel unwell, seek ble). Move the affected personne		
First-aid measures after inhalation	: Remove pers respiration. C	son to fresh air and keep comfor Set medical advice/attention.	table for breath	ing. If not breathing, give artificial
First-aid measures after skin contact	: Wash with plenty of soap and water. Get medical advice/attention.			
First-aid measures after eye contact		flush eyes thoroughly with water easy to do. Continue rinsing. Ge		minutes. Remove contact lenses, if e/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.			
4.2. Most important symptoms and e	effects, both acute a	nd delayed		
Symptoms/injuries	: The most im 2.2) and/or ir	portant known symptoms and eff	ects are descril	bed in the labelling (see section
4.3. Indication of any immediate me	dical attention and s	pecial treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measure	s			
5.1. Extinguishing media				
Suitable extinguishing media		tant foam. Carbon dioxide. Dry μ or surrounding fire.	oowder. Water s	spray. Use extinguishing media
5.2. Special hazards arising from the	e substance or mixt	ure		
Fire hazard		omposition generates: Carbon o	xides. Hydroaei	n bromide.
Explosion hazard		sion if heated under confinemen		
5.3. Advice for firefighters				
Firefighting instructions	: In case of fire	e: Evacuate area. Fight fire remo	tely due to the	risk of explosion.
Protection during firefighting		ht chemically protective clothing or further information refer to see		with self contained breathing ure controls/personal protection".
SECTION 6: Accidental release m	neasures			
6.1. Personal precautions, protectiv	e equipment and en	ergency procedures		
General measures	: Evacuate un vapor or spra		equate air venti	ilation. Do not breathe gas, fumes,
6.1.1. For non-emergency personnel				
Emergency procedures	: Only qualifie	d personnel equipped with suitat	ole protective ed	quipment may intervene.
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6.1.2.	For emergency responders			
Protective equipment			: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
Emerger	ncy procedures	: Gas leve	s/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground el.	
6.2.	Environmental precautions			
Avoid rel	lease to the environment. Notify au	horities if pr	oduct enters sewers or public waters.	
6.3.	Methods and material for conta	nment and	cleaning up	
For conta	ainment	: Sto	p leak if safe to do so. Dike for recovery or absorb with appropriate material.	
Methods	for cleaning up	exp	te up large spills with pump or vacuum and finish with dry chemical absorbent. Use closion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel Is into appropriate container for disposal. Ventilate area.	
Other inf	ormation	: For	disposal of solid materials or residues refer to section 13 : "Disposal considerations".	
6.4.	Reference to other sections			
No additi	ional information available			
SECTI	ON 7: Handling and storag	9		
7.1.	Precautions for safe handling			
Precautions for safe handling		ver	not handle until all safety precautions have been read and understood. Ensure good tilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal tective equipment. Avoid contact with skin and eyes.	
Hygiene	measures		ndle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or oke when using this product. Always wash hands after handling the product.	
7.2.	Conditions for safe storage, inc	luding any	incompatibilities	
Technica	al measures	: Cor	mply with applicable regulations.	
Storage	conditions	: Kee	ep container closed when not in use. Keep contents under inert gas.	
Incompa	tible materials	: Ref	er to Section 10 on Incompatible Materials.	
Storage	temperature	: 2 -	S°C	
Storage area		: Sto	re in dry, 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	c physical and chemical properties	
Physical state	: Liquid	
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	: 170 - 171 °C	
Flash point	: 63 °C	

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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
Specific gravity / density	: 1.452 g/ml
Molecular mass	: 165.028 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	

Refractive index

: 1.487 (@ 20 °C)

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

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.

10.5. Incompatible materials

Strong oxidizing agents.

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 Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity	 Causes skin irritation. Causes serious eye irritation. Not classified Not classified Not classified Not classified
Reproductive toxicity Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure)	Not classifiedMay cause respiratory irritation.Not classified
Aspiration hazard	: Not classified

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SECTIO	ON 12: Ecological information			
12.1.	Toxicity			
No additi	No additional information available			
12.2.	Persistence and degradability			
No additi	onal information available			
12.3.	Bioaccumulative potential			
No additional information available				
12.4.	Mobility in soil			
No additi	onal information available			
12.5.	Other adverse effects			
No additi	onal information available			

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	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
Additional information	: Recycle the material as far as possible.	

Department of Transportation (DOT)

SECTION 14: Transport information

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-(Bromomethyl)tetrahydrofuran	CAS No 1192-30-9	100%
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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

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SECTION 16: Other information

Full text of H-phrases:

	i i pillaooo.	
E	ye Irrit. 2A	Serious eye damage/eye irritation Category 2A
F	lam. Liq. 4	Flammable liquids Category 4
S	Skin Irrit. 2	Skin corrosion/irritation Category 2
S	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
Н	1227	Combustible liquid
Н	1315	Causes skin irritation
Н	1319	Causes serious eye irritation
Н	1335	May cause respiratory irritation
NFPA hea	alth hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire	hazard	: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.
NFPA rea	ctivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III R	Rating	
Health	-	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammabi	lity	2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)
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 (G	HS 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.