

Safety Data Sheet 1300B04 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 05/04/2016 Version: 1.0

SECTION 1: Identification				
1.1. Identification				
Product form	: Substance			
Substance name	: 2,3-Dibromo-3,3-difluoropropene			
CAS No	: 677-35-0			
Product code	: 1300-B-04			
Formula	: C3H2Br2F2			
Other means of identification	: MFCD00077497			
1.2. Relevant identified uses of the substa	ance 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 da	ata 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				
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 mix	xture			
Classification (GHS-US)				
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irritatioSTOT SE 3H335 - May cause respiratory irritaFull 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 irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation			
Precautionary statements (GHS-US)	 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+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it 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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.3. Other hazards				
o additional information available				
4. Unknown acute toxicity (GHS US	5)			
lot applicable				
ECTION 3: Composition/informa	tion on ingredients			
.1. Substance				
substance type	: Mono-constituent			
Name	Product identifie	r	%	Classification (GHS-US)
2,3-Dibromo-3,3-difluoropropene (Main constituent)	(CAS No) 677-35-0		<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
ull text of H-phrases: see section 16				
.2. Mixture				
lot applicable				
ECTION 4: First aid measures				
.1. Description of first aid measures				
irst-aid measures general	where possible). Move th	e affected personnel	away from the o	
irst-aid measures after inhalation	respiration. Get medical a	advice/attention.		g. If not breathing, give artificial
irst-aid measures after skin contact	: Wash with plenty of soap			
irst-aid measures after eye contact	present and easy to do. C	Continue rinsing. Get I	medical advice/	
irst-aid measures after ingestion	: Do NOT induce vomiting. mouth out with water. Ge			unconscious person. Rinse
.2. Most important symptoms and e	ffects, both acute and delayed			
ymptoms/injuries	: The most important know 2.2) and/or in section 11.	n symptoms and effe	cts are describe	ed in the labelling (see section
I.3. Indication of any immediate med	ical attention and special treat	ment needed		
Freat symptomatically.				
SECTION 5: Firefighting measure	S			
5.1. Extinguishing media				
Suitable extinguishing media	: Alcohol resistant foam. C appropriate for surrounding		wder. Water sp	oray. Use extinguishing media
5.2. Special hazards arising from the	substance or mixture			
Fire hazard	: Thermal decomposition g	enerates: Carbon oxi	des. Hydrogen	bromide. Hydrogen fluoride.
xplosion hazard	: Risk of explosion if heate containers.	d under confinement.	Use water spra	ay or fog for cooling exposed
5.3. Advice for firefighters				
Firefighting instructions	: In case of fire: Evacuate	area. Fight fire remote	ely due to the ri	sk of explosion.
Protection during firefighting				vith self contained breathing e controls/personal protection".
SECTION 6: Accidental release m				
5.1. Personal precautions, protective				
Seneral measures	: Evacuate unnecessary po vapor or spray.	ersonnel. Ensure ade	quate air ventila	ation. Do not breathe gas, fumes,
5.1.1. For non-emergency personnel				
mergency procedures	: Only qualified personnel	equipped with suitable	e protective equ	upment may intervene.
5.1.2. 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".				
Emergency procedures	: Gas/vapor heavier than a level.	ir. May accumulate in	confined space	es, particularly at or below ground
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6.2. Environmental precautions				
Avoid release to the environment. Notify authorities if product enters sewers or public waters.				
6.3. Methods and material for conta	inment and cleaning up			
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.			
Methods for cleaning up	Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.			
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 storag	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 fumes, mist, spray, vapors. 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, inc	luding any incompatibilities			
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. Light sensitive.			

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

Vapor pressure	: No data available	
Oxidizing properties	: No data available	
Explosive properties	: No data available	
Explosion limits	: No data available	
Flammability (solid, gas)	: No data available	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flash point	: No data available	
Boiling point	: 65 - 66 °C (@ 148 mm Hg)	
Freezing point	: No data available	
Melting point	: No data available	
рН	: No data available	
Odor threshold	: No data available	
Odor	: No data available	
Color	: No data available	
Physical state	: Liquid	
9.1. Information on basic physical a	nd chemical properties	

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Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 235.85 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	: 1.4498 (@ 25 °C)

SECTION 10: Stabilit	y and reactivity
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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**

Alkali metals. Finely divided metals (Al, Mg, Zn). Strong bases. Strong oxidizing agents.

Hazardous decomposition products 10.6.

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 skin irritation.			
Serious eye damage/irritation	: Causes serious eye irritation.			
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

SECT	TION 12: Ecological information		
12.1.	Toxicity		
No add	ditional information available		
12.2.	Persistence and degradability		
No add	ditional information available		
12.3.	Bioaccumulative potential		
N	ulide and the Common Common State In		

No additional information available

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considera	tions		
13.1. Waste treatment methods			
Waste treatment methods Waste disposal recommendations Additional information	: Dispose of cont		an afterburner and a flue gas scrubber. censed collector's sorting instructions.
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 information	ition		
15.1. US Federal regulations			
All components of this product are listed, of Substances Control Act (TSCA) inventory		on the United States Environmental	Protection Agency Toxic
2,3-Dibromo-3,3-difluoropropene		CAS No 677-35-0	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.