

Safety Data Sheet 4148B03 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 09/29/2017 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: N-Methyl 2-bromo-2-fluoroace	etamide	
CAS No	: 53441-14-8		
Product code	: 4148-B-03		
Formula	: C3H5BrFNO		
Synonyms	: 2-Bromo-2-fluoro-N-methylac	etamide	
Other means of identification	: MFCD04038318		
1.2. Relevant identified uses of the	substance or mixture and uses advi	sed against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and develo	opment	
1.3. Details of the supplier of the sa	fety data sheet		
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 1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company	(Account 10060)	
Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16			
2.2. Label elements			
GHS-US labeling	•		
Hazard pictograms (GHS-US) Signal word (GHS-US)	GHS07 : Warning		
Hazard statements (GHS-US)	: H315 - Causes skin irritation H319 - Causes serious eye ir H335 - May cause respiratory		
Precautionary statements (GHS-US)	P302+P352 - If on skin: Wash P304+P340 - If inhaled: Rem P305+P351+P338 - If in eyes lenses, if present and easy to P312 - Call a POISON CENT P321 - Specific treatment (se P332+P313 - If skin irritation p P362+P313 - If eye irritation p P362+P364 - Take off contan P403+P233 - Store in a well-v P405 - Store locked up	after handling n a well-ventilated area s/protective clothing/eye protection/face protection with plenty of soap and water ove person to fresh air and keep comfortable for : Rinse cautiously with water for several minutes	breathing a. Remove contac
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2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	on ing	gredients		
3.1. Substance				
Substance type :	Mono-	constituent		
Name		Product identifier	%	Classification (GHS-US)
N-Methyl 2-bromo-2-fluoroacetamide (Main constituent)		(CAS No) 53441-14-8	<= 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 measures				
First-aid measures general :		e of accident or if you feel unwell, seek r possible). Move the affected personnel		
First-aid measures after inhalation :		ve person to fresh air and keep comforta ation. Get medical advice/attention.	able for breathing	g. If not breathing, give artificial
First-aid measures after skin contact :	Wash	with plenty of soap and water. Get medi	cal advice/atten	tion.
First-aid measures after eye contact :	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.			
irst-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 effects, both acute and delayed				
Symptoms/injuries :	: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.			
4.3. Indication of any immediate medical attention and special treatment needed				
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
• •		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
5.2. Special hazards arising from the subs	tance o	r mixture		
Fire hazard :		al decomposition generates: Carbon ox en oxides.	ides. Hydrogen l	bromide. Hydrogen fluoride.
5.3. Advice for firefighters				
Firefighting instructions :	In cas	e of fire: Evacuate area.		
Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".				
SECTION 6: Accidental release measu	ires			
6.1. Personal precautions, protective equip		and emergency procedures		
		ate unnecessary personnel. Ensure ade	quate air ventila	ation. Do not breathe dust.
6.1.1. For non-emergency personnel				
0 11	Only	ualified personnel equipped with suitabl	e protective equ	inment may intervene
Emergency procedures :	Unity C		c protective equ	
6.1.2. For emergency responders				
Protective equipment :		t attempt to take action without suitable o section 8: "Exposure controls/personal		ment. For further information
6.2. Environmental precautions				

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

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6.3. Methods and material for conta	inment 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 storag	je
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, inc	luding any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Hygroscopic. Moisture sensitive. Keep contents under inert gas.
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

: 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.
: Protective gloves. 29 CFR 1910.138: Hand Protection.
: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
: Wear suitable protective clothing.
: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemica	l properties		
9.1. Information on basic physical and	d chemical properties		
Physical state	: Solid		
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	: 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		
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	: 169.98 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

SECT	ION 10: Stability and reactivity	
10.1.	Reactivity	
No add	itional information available	
10.2.	Chemical stability	
The pro	oduct is stable at normal handling and stora	age conditions.
10.3.	Possibility of hazardous reactions	
No add	itional information available	
10.4.	Conditions to avoid	
Keep a	way from heat, sparks and flame.	
10.5.	Incompatible materials	
Strong	oxidizing agents.	
10.6.	Hazardous decomposition products	
	normal conditions of storage and use, haza e Section 5.	ardous decomposition products should not be produced. Hazardous decomposition products in case of
SECT	ION 11: Toxicological information	on
11.1.	Information on toxicological effects	
Acute to	oxicity	: Not classified
01.1		

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	ION 12: Ecological information	on		
12.1.	Toxicity			
No add	litional information available			
12.2.	Persistence and degradability			
No add	litional information available			
12.3.	Bioaccumulative potential			
No add	litional information available			
12.4.	Mobility in soil			
No add	litional information available			
12.5.	Other adverse effects			
No add	litional information available			
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SECTION 13: Disposal consideration	1S	
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.	
SECTION 14: Transport information		
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	1	
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:		

N-Methyl 2-bromo-2-fluoroacetamide	CAS No 53441-14-8	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	: 1 - Must be preheated before ignition can occur.
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	 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)

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.