

Safety Data Sheet 3630U01 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 02/14/2019 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 4-Bromo-2-fluoro-6-iodoaniline		
CAS No	: 1201149-19-0		
Product code	: 3630-U-01		
Formula	: C6H4BrFIN		
Other means of identification	: MFCD22570400		
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 developm	ent	
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	· (0.14) 522 4000 (25 Company)		
Emergency number	: (844) 523-4086 (3E Company - A	ccount 10069)	
SECTION 2: Hazard(s) identificatio	n		
2.1. Classification of the substance or	r mixture		
Classification (GHS-US)			
STOT SE 3 H335 - May cause re Full text of H-phrases: see section 16	ous eye damage		
STOT SE 3 H335 - May cause re Full text of H-phrases: see section 16	ous eye damage		
STOT SE 3 H335 - May cause m Full text of H-phrases: see section 16 2.2. Label elements	ous eye damage	GHS07	
STOT SE 3 H335 - May cause m Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	espiratory irritation	GHS07	
STOT SE 3 H335 - May cause m Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	espiratory irritation	ge	
STOT SE 3 H335 - May cause m Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	 i i i i i i i i i i i i i i i i i i i	ge ation , spray r handling when using this product well-ventilated area otective clothing/eye protection/face protect diately call a poison center/doctor/ h plenty of soap and water person to fresh air and keep comfortable for ise cautiously with water for several minute Continue rinsing	or breathing es. Remove contac

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- P332+P313 If skin irritation occurs: 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 2.3. Other hazards No additional information available Unknown acute toxicity (GHS US) 2.4. Not applicable SECTION 3: Composition/information on ingredients Substance 3.1. Substance type : Mono-constituent Name Product identifier % **Classification (GHS-US)** 4-Bromo-2-fluoro-6-iodoaniline (CAS No) 1201149-19-0 Acute Tox. 3 (Oral), H301 <= 100 (Main constituent) Acute Tox. 4 (Dermal), H312 Skin Irrit. 2. H315 Eye Dam. 1, H318 STOT SE 3, H335 Full text of H-phrases: see section 16 Mixture 3.2. Not applicable SECTION 4: First aid measures 4.1. **Description of first aid measures** : In case of accident or if you feel unwell, seek medical advice immediately (show the label First-aid measures general where possible). Move the affected personnel away from the contaminated area. : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial First-aid measures after inhalation respiration. Get immediate medical advice/attention. First-aid measures after skin contact : Wash with plenty of soap and water. Get immediate medical advice/attention. : Immediately flush eves thoroughly with water for at least 15 minutes. Remove contact lenses, if First-aid measures after eve contact present and easy to do. Continue rinsing. Get immediate medical advice/attention. : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse First-aid measures after ingestion mouth out with water. Get immediate 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** Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. Hydrogen iodide. Nitrogen oxides. Hydrogen fluoride. 5.3. Advice for firefighters **Firefighting instructions** : In case of fire: Evacuate area. Wear gas tight chemically protective clothing in combination with self contained breathing Protection during firefighting apparatus. For further information refer to section 8: "Exposure controls/personal protection". SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. For non-emergency personnel
- 6.1.1. For non-emergency pers Emergency procedures

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: Only qualified personnel equipped with suitable protective equipment may intervene.

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6.1.2. For	emergency responders	
Protective eq	uipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Env	vironmental precautions	
Avoid release	e to the environment. Notify authoritie	es if product enters sewers or public waters.
6.3. Me	thods and material for containmen	nt and cleaning up
For containm	ent	: Stop leak if safe to do so.
Methods for c	leaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Other informa	ation	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. Ref	ference to other sections	
No additional	information available	
SECTION	7: Handling and storage	
	ecautions for safe handling	
Precautions f	or 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 mea	sures	: 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. Co	nditions for safe storage, including	g any incompatibilities
Technical me	asures	: Comply with applicable regulations.
Storage cond	itions	: Keep container closed when not in use.
ncompatible	materials	: Refer to Section 10 on Incompatible Materials.
Storage area		: Store in dry, cool, well-ventilated area. Keep contents under inert gas. Light and moisture sensitive.

SECTION 8: Exposure controls/	personal	protection
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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 physical and chemical properties Physical state : Solid Color : No data available : No data available Odor Odor threshold : No data available pН : No data available : No data available Melting point : No data available Freezing point 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

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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	: 315.91 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
0.1. Reactivity
lo additional information available
0.2. Chemical stability
lo additional information available
0.3. Possibility of hazardous reactions
lo additional information available
0.4. Conditions to avoid
lo additional information available
0.5. Incompatible materials
lo additional information available
0.6. Hazardous decomposition products
lo additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Oral: Toxic if swallowed. Dermal: Harmful in contact with skin.

4-Bromo-2-fluoro-6-iodoaniline (1201149-19-	0)
ATE US (oral)	100.000 mg/kg body weight
ATE US (dermal)	1100.000 mg/kg body weight
Skin corrosion/irritation	: Causes skin irritation.
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

SECT	SECTION 12: Ecological information				
12.1.	Toxicity				
No add	itional information available				
12.2.	Persistence and degradability				
No add	itional information available				
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12.3. Bioaccumulative potential No additional information available 12.4. Mobility in soil No additional information available 12.5. Other adverse effects	
No additional information available 12.4. Mobility in soil No additional information available	
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No additional information available	
No additional information available	
42.5 Other advarage officies	
12.5. Other adverse effects	
No additional 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 instructions.
Additional information	: Recycle the material as far as possible.
SECTION 14: Transport informa	
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UN-No.(DOT) Proper Shipping Name (DOT) Transport hazard class(es) (DOT) Hazard labels (DOT)

Packing group (DOT)

DOT Packaging Non Bulk (49 CFR 173.xxx)

DOT Packaging Bulk (49 CFR 173.xxx)

DOT Symbols

DOT Special Provisions ((49 CFR 172.102)
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- : UN2811
- : Toxic solids, organic, n.o.s.
- : 6.1 Class 6.1 Poisonous materials 49 CFR 173.132
- : 6.1 Poison
- : III Minor Danger
- : 213
- : 240
- : G Identifies PSN requiring a technical name

2010)		
DOT Special Provisions (49 CFR 172.102)	:	IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner. T1 - 1.5 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	:	153
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	100 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	200 kg
DOT Vessel Stowage Location	:	A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Other information	:	No supplementary information available.

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TDG

No additional information available

Transport by sea	
UN-No. (IMDG)	: 2811
Proper Shipping Name (IMDG)	: TOXIC SOLID, ORGANIC, N.O.S.
Class (IMDG)	: 6.1 - Toxic substances
Packing group (IMDG)	: III - substances presenting low danger
Air transport	
UN-No. (IATA)	: 2811
Proper Shipping Name (IATA)	: Toxic solid, organic, n.o.s.
Class (IATA)	: 6.1 - Toxic Substances
Packing group (IATA)	: III - Minor Danger
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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:

	201149-19-0 100%
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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

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H301	Toxic if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
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	: 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	: 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.