

2-Amino-4-chloro-3-fluorobenzoic acid

Safety Data Sheet 4657734 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 02/18/2019 Version: 1.0

SECTION 1: Identification 1.1. Identification	
Product form	: Substance
Substance name	: 2-Amino-4-chloro-3-fluorobenzoic acid
CAS No	: 1039878-71-1
Product code	: 4657-7-34
Formula	: C7H5CIFNO2
Other means of identification	: MFCD11193652
I.2. Relevant identified uses of the sul	bstance 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 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.c	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	n
2.1. Classification of the substance or	mixture
Classification (GHS-US)	
Skin Irrit. 2 H315 - Causes skin irrit Eye Irrit. 2A H319 - Causes serious STOT SE 3 H335 - May cause resp Full text of H-phrases: see section 16	eye irritation
2.2. Label elements	
GHS-US labeling	
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Hazard pictograms (GHS-US)	GHS06 GHS07 CHS06 GHS07
Hazard pictograms (GHS-US) Signal word (GHS-US) Hazard statements (GHS-US)	: GHS06 GHS07 : Danger : H301 - Toxic if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Hazard pictograms (GHS-US) Signal word (GHS-US)	 Danger H301 - Toxic if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation

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	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			
2.4. Unknown acute toxicity (GHS U	IS)		
Not applicable			
SECTION 3: Composition/information	ation on ingredients		
3.1. Substance			
Substance type	: Mono-constituent		
Name	Product identifier	%	Classification (GHS-US)
2-Amino-4-chloro-3-fluorobenzoic acid (Main constituent)	(CAS No) 1039878-71-1	<= 100	Acute Tox. 3 (Oral), H301 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			
First-aid measures general	: In case of accident or if you feel unwe where possible). Move the affected p		
First-aid measures after inhalation	: Remove person to fresh air and keep respiration. Get immediate medical a		ning. If not breathing, give artificial
First-aid measures after skin contact			
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 immediate medical advice/attention.		
First-aid measures after ingestion	: Do NOT induce vomiting. Never give mouth out with water. Get immediate		
4.2. Most important symptoms and	effects, both acute and delayed		
Symptoms/injuries	: The most important known symptoms 2.2) and/or in section 11.	s and effects are descri	ibed in the labelling (see section
4.3. Indication of any immediate me	dical attention and special treatment neede	ed	
Treat symptomatically.			
SECTION 5: Firefighting measure	es		
5.1. Extinguishing media			
Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxid appropriate for surrounding fire.	le. Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the	e substance or mixture		
Fire hazard	: Thermal decomposition generates: C Nitrogen oxides.	arbon oxides. Hydroge	en chloride. Hydrogen fluoride.
5.3. Advice for firefighters			
Firefighting instructions	: In case of fire: Evacuate area.		
Protection during firefighting	: Wear gas tight chemically protective of apparatus. For further information refe		
SECTION 6: Accidental release n	neasures		
6.1. Personal precautions, protectiv	e equipment and emergency procedures		
General measures	: Evacuate unnecessary personnel. En	sure adequate air vent	tilation. Do not breathe dust.
6.1.1. For non-emergency personnel			
Emergency procedures	: Only qualified personnel equipped wit	th suitable protective e	quipment may intervene.

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6.1.2. For emergency respo	nders
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental preca	utions
Avoid release to the environment	. Notify authorities if product enters sewers or public waters.
6.3. Methods and materia	l for containment 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 se	ctions
No additional information availab	le
SECTION 7: Handling an	d storage
7.1. Precautions for safe I	nandling
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 st	torage, including any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Hygroscopic. Keep contents under inert gas.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storago area	· Store in dry cool well-ventilated area

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 chemical properties

9.1. Information on basic physical	and 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
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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	: 189.572 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

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No add	itional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage 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
Under r	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

Information on toxicological effects 11.1.

Acute toxicity	: Oral: Toxic if swallowed.
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

SECTION	SECTION 12: Ecological information				
10.1					
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					
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12.4. Mobility in soil

No additional information available

12.5. **Other adverse effects**

No additional information available

SECTION 12: Disposal considerations		
SECTION 13: Disposal consideration		
13.1.Waste treatment methodsWaste treatment methodsWaste disposal recommendationsAdditional information	 Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. Dispose of contents/container in accordance with licensed collector's sorting instructions. Recycle the material as far as possible. 	
SECTION 14: Transport information		
Department of Transportation (DOT) In accordance with DOT Transport document description	: UN2811 Toxic solids, organic, n.o.s., 6.1, III	
UN-No.(DOT) Proper Shipping Name (DOT) Transport hazard class(es) (DOT) Hazard labels (DOT)	 : UN2811 : Toxic solids, organic, n.o.s. : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132 : 6.1 - Poison 	
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)	 III - Minor Danger 213 240 G - Identifies PSN requiring a technical name 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) DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 153 : 100 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.	
TDG		

No additional information available

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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

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-Amino-4-chloro-3-fluorobenzoic acid CAS No 1039878-71-1 100%
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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		
	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		
	H301	Toxic if swallowed		
	H315	Causes skin irritation		
	H319	Causes serious eye irritation		
	H335	May cause respiratory irritation		

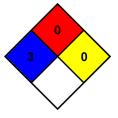
NFPA health hazard

: 3 - Short exposure could cause serious temporary or		
residual injury even though prompt medical attention was		
given.		

: 0 - Materials that will not burn.

NFPA fire hazard NFPA reactivity

- : 0 Normally stable, even under fire exposure conditions, and are not reactive with water.



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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.