

3-Chloro-2-fluorobenzylamine Safety Data Sheet 36307X2 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/19/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 3-Chloro-2-fluorobenzylamine
CAS No	: 72235-55-3
Product code	: 3630-7-X2
Formula	: C7H7CIFN
Synonyms	: (3-Chloro-2-fluorophenyl)methylamine
Other means of identification	: MFCD01631391
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 data	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 - www.synquestlabs.com 1.4. Emergency telephone number	
	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mi	xture
Classification (GHS-US) Skin Corr. 1B H314 - Causes severe skin burn Eye Dam. 1 H318 - Causes serious eye dam STOT SE 3 H335 - May cause respiratory irr	age
5 1 5	
Full text of H-phrases: see section 16	
5 1 5	
Full text of H-phrases: see section 16	
Full text of H-phrases: see section 16 2.2. Label elements	: GHS05 GHS07
Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	
Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	: GHS05 GHS05 GHS07 : Danger : H314 - Causes severe skin burns and eye damage
Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	: GHS05 CHS07 : Danger
Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US) Hazard statements (GHS-US)	 Final Stress S

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2.3. Other hazards						
No additional information available						
2.4. Unknown acute toxicity (GHS U	5)					
Not applicable						
SECTION 3: Composition/informa	ition on i	ngredients				
3.1. Substance						
Substance type	: Mon	o-constituent				
Name		Product identifier	%	Classification (GHS-US)		
3-Chloro-2-fluorobenzylamine (Main constituent)		(CAS No) 72235-55-3	<= 100	Skin Corr. 1B, H314 Eye Dam. 1, H318 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	6					
First-aid measures general		ase of accident or if you feel unwell, seek				
First-aid measures after inhalation	: Ren	re possible). Move the affected personnel nove person to fresh air and keep comfort viration. Get immediate medical advice/atte	able for breathir			
First-aid measures after skin contact	: Was	sh with plenty of soap and water. Remove lical advice/attention.		lothing and shoes. Get immediate		
First-aid measures after eye contact		ediately flush eyes thoroughly with water sent and easy to do. Continue rinsing. Get				
First-aid measures after ingestion						
4.2. Most important symptoms and e	ffects, both	acute and delayed				
mptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.						
Symptoms/injuries after inhalation	toms/injuries after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.					
4.3. Indication of any immediate med	lical attenti	on and special treatment needed				
Treat symptomatically.						
SECTION 5: Firefighting measure	s					
5.1. Extinguishing media						
Suitable extinguishing media		hol resistant foam. Carbon dioxide. Dry po ropriate for surrounding fire.	owder. Water sp	oray. Use extinguishing media		
5.2. Special hazards arising from the	substance	or mixture				
Fire hazard		rmal decomposition generates: Carbon ox ogen oxides.	ides. Hydrogen	chloride. Hydrogen fluoride.		
Explosion hazard		of explosion if heated under confinement ainers.	. Use water spr	ay or fog for cooling exposed		
5.3. Advice for firefighters						
Firefighting instructions	: In ca	ase of fire: Evacuate area. Fight fire remot	ely due to the ri	sk of explosion.		
Protection during firefighting		ar gas tight chemically protective clothing i aratus. For further information refer to sec				
SECTION 6: Accidental release m						
6.1. Personal precautions, protective						
General measures		cuate unnecessary personnel. Ensure ade or or spray.	equate air ventil	ation. Do not breathe gas, fumes,		
6.1.1. For non-emergency personnel						

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6.1.2.	For emergency responders				
Protective equipment Emergency procedures		: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".			
		: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.			
6.2.	Environmental precautions				
Avoid r	elease to the environment. Notify auth	prities if product enters sewers or public waters.			
6.3.	Methods and material for contain	ment and cleaning up			
For cor	itainment	: 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 in	nformation	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".			
6.4.	Reference to other sections				
No add	itional information available				
SECT	ION 7: Handling and storage				
7.1.	Precautions for safe handling				
Precau	tions 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,	including any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Air 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

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 Information on basic physical and chemical properties 9.1.

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	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available

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6		,
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	:	159.59 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
0.0 Others information		

Other information 9.2.

Refractive index

: 1.5405 (@ 20 °C)

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 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	Strong acids. 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	:	Causes severe skin burns and eye damage.
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
Symptoms/injuries after inhalation		Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.

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SECTI	ON 12: Ecological information				
12.1.	Toxicity				
AL					
No addit	ional information available				
12.2.	Persistence and degradability				
No addit	ional information available				
40.0					
12.3.	Bioaccumulative potential				
No oddii	ional information available				
NO addit					
12.4.	Mobility in soil				
No addit	ional information available				
12.5.	Other adverse effects				
No oddit					
ino addit	ional 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.			

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT Transport document description

UN-No.(DOT)

Proper Shipping Name (DOT) Transport hazard class(es) (DOT) Hazard labels (DOT)

:	UN2735	Amines,	liquid,	corrosive,	n.o.s.,	8,	Ш
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: UN2735

- : Amines, liquid, corrosive, n.o.s.
- : 8 Class 8 Corrosive material 49 CFR 173.136
- : 8 Corrosive



Packing group (DOT)	:	II - Medium Danger
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	202
DOT Packaging Bulk (49 CFR 173.xxx)	:	242
DOT Symbols	:	G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	:	 B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized. IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T11 - 6 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	:	154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	1 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	30 L
DOT Vessel Stowage Location	:	A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

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DOT Vessel Stowage Other : 52 - Stow "separated from" acids Other information : No supplementary information available.

TDG

No additional information available

Transport by sea

UN-No. (IMDG)	: 2735
Proper Shipping Name (IMDG)	: AMINES, LIQUID, CORROSIVE, N.O.S.
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: II - substances presenting medium danger
Air transport	
UN-No. (IATA)	: 2735
Proper Shipping Name (IATA)	: Amines, liquid, corrosive, n.o.s.

: 8 - Corrosives

: II - Medium Danger

Proper Shipping Name (IATA) Class (IATA) Packing group (IATA)

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:

3-Chloro-2-fluorobenzylamine CAS No 72235-55-3

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 Dam. 1	Serious eye damage/eye irritation Category 1		
	Skin Corr. 1B	Skin corrosion/irritation Category 1B		
	STOT SE 3	Specific target organ toxicity (single exposure) Category 3		
	H314	Causes severe skin burns and eye damage		
	H318	Causes serious eye damage		
	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.
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.

100%

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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	 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.