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# 3-Chloro-4-fluorobenzene-1,2-diamine

Safety Data Sheet 3630771 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/13/2015 Revision date: 11/20/2020 Version: 1.1

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SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 3-Chloro-4-fluorobenzene-1,2	-diamine	
CAS No	: 132915-81-2		
Product code	: 3630-7-71		
Formula	: C6H6CIFN2		
Other means of identification	: MFCD18804697		
1.2. Relevant identified uses of the sub-	stance or mixture and uses advi	sed against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and develo		
1.3. Details of the supplier of the safety	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	m		
1.4. Emergency telephone number	<u></u>		
Emergency number	: (844) 523-4086 (3E Company	/ - Account 10069)	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or n	pixture		
Classification (GHS-US)			
Acute Tox. 4 (Oral)H302 - Harmful if swallovSkin Irrit. 2H315 - Causes skin irritaEye Dam. 1H318 - Causes serious eSTOT SE 3H335 - May cause respirFull text of H-phrases: see section 16	tion ye damage		
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)	CHS05 CHS07		
Signal word (GHS-US)	: Danger		
Hazard statements (GHS-US)	: H302 - Harmful if swallowed H315 - Causes skin irritation H318 - Causes serious eye d H335 - May cause respiratory	•	
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing dust, P264 - Wash skin thoroughly P270 - Do not eat, drink or sn P271 - Use only outdoors or i P280 - Wear protective glove P301+P312 - If swallowed: C P302+P352 - If on skin: Wasl P304+P340 - If inhaled: Rem P305+P351+P338 - If in eyes lenses, if present and easy to P310 - Immediately call a PO P321 - Specific treatment (se P330 - Rinse mouth P332+P313 - If skin irritation</li> </ul>	mist, spray after handling noke when using this product n a well-ventilated area s/protective clothing/eye protection/face protectio all a POISON CENTER or doctor/ physician if you with plenty of soap and water ove person to fresh air and keep comfortable for : Rinse cautiously with water for several minutes.	u feel unwell breathing . Remove contact
11/20/2020	EN (English US)	SDS ID: 3630771	Page 1

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

- 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 US)				
Not applicable				
SECTION 3: Composition/informati	on on ingredients			
3.1. Substance				
Substance type	: Mono-constituent			
Name	Product identifier	%	Classification (GHS-US)	
3-Chloro-4-fluorobenzene-1,2-diamine (Main constituent)	(CAS No) 132915-81-2	<= 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 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				
I.1. Description of first aid measures				
irst-aid measures general	: In case of accident or if you feel unw where possible). Move the affected p			
irst-aid measures after inhalation	: Remove person to fresh air and keep respiration. Get immediate medical a		hing. If not breathing, give artificial	
First-aid measures after skin contact	: Wash with plenty of soap and water.	Get immediate medica	al advice/attention.	
irst-aid measures after eye contact	: Immediately flush eyes thoroughly wi present and easy to do. Continue ring			
First-aid measures after ingestion	: Do NOT induce vomiting. Never give mouth out with water. Get immediate			
I.2. Most important symptoms and effe	ects, both acute and delayed			
Symptoms/injuries	: The most important known symptoms 2.2) and/or in section 11.	: The most important known symptoms and effects are described in the labelling (see section		
4.3. Indication of any immediate medic	medical attention and special treatment needed			
Freat symptomatically.				
SECTION 5: Firefighting measures				
.1. Extinguishing media				
Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxid	de. Drv powder. Water	sprav. Use extinguishing media	
	appropriate for surrounding fire.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
5.2. Special hazards arising from the s	ubstance or mixture			
ire hazard	: Thermal decomposition generates: C Nitrogen oxides.	arbon oxides. Hydrog	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 apparatus. For further information ref	-		
SECTION 6: Accidental release mea	asures			
5.1. Personal precautions, protective e	quipment and emergency procedures			
General measures	: Evacuate unnecessary personnel. Er	nsure adequate air ver	ntilation. Do not breathe dust.	
6.1.1. For non-emergency personnel				
Emergency procedures	: Only qualified personnel equipped with	th suitable protective	equipment may intervene.	
6.1.2. For emergency responders				
Protective equipment	: Do not attempt to take action without refer to section 8: "Exposure controls		uipment. For further information	

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

es if product enters sewers or public waters. nt and cleaning up : Stop leak if safe to do so.
: Stop leak if safe to do so.
: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
: 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.
: 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.
ng any incompatibilities
: Comply with applicable regulations.
: Keep container closed when not in use.
: Refer to Section 10 on Incompatible Materials.
: Store in dry, cool, well-ventilated area.
onal protection

8.2. Exposure controls	i de la constante de la constan
Appropriate engineering cont	rols : 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.

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.

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SEC	FION 9: Phy	sical and chem	ical prop	oerti	es	

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	: 56 - 58 °C
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

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Relative vapor density at 20 °C	: No data available
Molecular mass	: 160.58 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 additional 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 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	: Oral: Harmful if swallowed.	
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	

SECTION	SECTION 12: Ecological information		
40.4	and the second		
12.1.	Toxicity		
No odditi	onal information available		
NU auulu			
10.0			
12.2.	Persistence and degradability		
No odditi	onal information available		
NU auulu			
40.0			
12.3.	Bioaccumulative potential		
No odditi	onal information available		
NU auulu			
10.1			
12.4.	Mobility in soil		
No additional information available			
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Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consider	ations
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	tion
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**

#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic

3-Chloro-4-fluorobenzene-1,2-diamine CAS No 132915-81-2 100%	Substances Control Act (TSCA) Inventory exception.	
	3-Chloro-4-fluorobenzene-1,2-diamine	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

Revision date

: 11/20/2020

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

-phrases:		
te Tox. 4 (Oral)	Acute toxicity (oral) Category 4	
Eye Dam. 1 Serious eye damage/eye irritation Category 1		
Skin Irrit. 2 Skin corrosion/irritation Category 2		
DT SE 3	5 , 5 ,	
H302 Harmful if swallowed		
H315 Causes skin irritation		
8	Causes serious eye damage	
5	May cause respiratory irritation	
ızard <i>v</i> ity	<ul> <li>3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.</li> <li>1 - Must be preheated before ignition can occur.</li> <li>0 - Normally stable, even under fire exposure conditions, and are not reactive with water.</li> </ul>	
ing		
	: 2 Moderate Hazard - Temporary or minor injury may occur	
	<ul> <li>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)</li> </ul>	
	: 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.	
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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.