

Safety Data Sheet 1600P24 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/06/2018 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 2-Chloro-4-fluoro-1-iodobenzene
CAS No	: 101335-11-9
Product code	: 1600-P-24
Formula	: C6H3CIFI
Synonyms	: 2-Chloro-4-fluoroiodobenzene
Other means of identification	: MFCD00051774
1.2. Relevant identified uses of the	substance 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 sa	afety 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.synquestlat	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificat	tion
2.1. Classification of the substance	
Acute Tox. 4 (Oral) H302 - Harmful if sw	
Acute Tox. 4 (Oral)H302 - Harmful if swSkin Irrit. 2H315 - Causes skinEye Irrit. 2AH319 - Causes serioSTOT SE 3H335 - May cause r	irritation ous eye irritation
Acute Tox. 4 (Oral)H302 - Harmful if swSkin Irrit. 2H315 - Causes skinEye Irrit. 2AH319 - Causes serieSTOT SE 3H335 - May cause reFull text of H-phrases: see section 16	irritation ous eye irritation
Eye Irrit. 2A H319 - Causes serior STOT SE 3 H335 - May cause m Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	irritation ous eye irritation
Acute Tox. 4 (Oral)H302 - Harmful if swSkin Irrit. 2H315 - Causes skinEye Irrit. 2AH319 - Causes serieSTOT SE 3H335 - May cause reFull text of H-phrases: see section 162.2.Label elements	irritation ous eye irritation
Acute Tox. 4 (Oral) H302 - Harmful if sw Skin Irrit. 2 H315 - Causes skin Eye Irrit. 2A H319 - Causes serio 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)	irritation bus eye irritation espiratory irritation : CHS07
Acute Tox. 4 (Oral)H302 - Harmful if swSkin Irrit. 2H315 - Causes skinEye Irrit. 2AH319 - Causes seriorSTOT SE 3H335 - May cause regionFull text of H-phrases: see section 162.2.Label elementsGHS-US labeling	irritation bus eye irritation espiratory irritation
Acute Tox. 4 (Oral) H302 - Harmful if sw Skin Irrit. 2 H315 - Causes skin Eye Irrit. 2A H319 - Causes seric 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)	 irritation bus eye irritation espiratory irritation : irritation irritation GHS07 : Warning : H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation

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P337+P313 - If eye irritation persists: 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 in	gredients		
3.1. Substa	ance				
Substance type	:	Mono	-constituent		
Name			Product identifier	%	Classification (GHS-US)
2-Chloro-4-fluoro- (Main constituent)	1-iodobenzene		(CAS No) 101335-11-9	<= 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phra	ases: see section 16				•
3.2. Mixtur	e				
Not applicable					
SECTION 4: I	First aid measures				
4.1. Descri	ption of first aid measures				
First-aid measure	es general :		e of accident or if you feel unwell, seek ne possible). Move the affected personnel		5 (
First-aid measure	es after inhalation :		ove person to fresh air and keep comforta ation. Get immediate medical advice/atte		g. If not breathing, give artificial
			with plenty of soap and water. Get imme		
		prese	diately flush eyes thoroughly with water the nt and easy to do. Continue rinsing. Get	immediate med	ical advice/attention.
First-aid measure	es after ingestion :		OT induce vomiting. Never give anything n out with water. Get immediate medical		
4.2. Most in	mportant symptoms and effects	, both	acute and delayed		
Symptoms/injurie	S :		nost important known symptoms and effe nd/or in section 11.	ects are describe	ed in the labelling (see section
4.3. Indicat	tion of any immediate medical at	ttentio	n and special treatment needed		
Treat symptomat	ically.				
SECTION 5: I	Firefighting measures				
5.1. Exting	uishing media				
Suitable extinguis	shing media :		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
5.2. Specia	I hazards arising from the subst	tance o	or mixture		
Fire hazard	:		nal decomposition generates: Carbon ox ogen iodide.	ides. Hydrogen	chloride. Hydrogen fluoride.
Explosion hazard	l :	Risk o conta	of explosion if heated under confinement iners.	. Use water spra	ay or fog for cooling exposed
5.3. Advice	e for firefighters				
Firefighting instru	ictions :	In cas	e of fire: Evacuate area. Fight fire remot	ely due to the ris	sk of explosion.
Protection during	firefighting :		gas tight chemically protective clothing i atus. For further information refer to sect		
SECTION 6: A	Accidental release measu	res			
6.1. Persor	nal precautions, protective equip	oment	and emergency procedures		
General measure	25 :		uate unnecessary personnel. Ensure ade or spray.	equate air ventila	ation. Do not breathe gas, fumes,

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6.1.1. For non-emergency personnel Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.

6.2. Environmental precautions

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

6.3. Methods and material for containme	ent and cleaning up
For containment	: 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 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 storage	
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 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, includi	ng any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Storage area

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.

: Store in dry, cool, well-ventilated area. Light sensitive.

SECTION 9: Physical an	d chemical properties		
9.1. Information on basic	physical and chemical properties		
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	: 96 - 98 °C (@ 15 mm Hg)		
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•••
: No data available
: 256.444 g/mol
: No data available

Refractive index

: 1.601 (@ 20 °C)

SECTION 10: Stability and reactivity

10.1. Reactivity No additional information available

10.2. **Chemical stability**

The product 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 oxidizing agents.

Hazardous decomposition products 10.6.

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

Information on toxicological effects 11.1.

Acute toxicity

: Oral: Harmful if swallowed.

2-Chloro-4-fluoro-1-iodobenzene (101335-1	1-9)		
ATE US (oral)	500.000 mg/kg body weight		
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		
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SECTI	ON 12: Ecological information
12.1.	Toxicity
No addit	ional information available
No addit	
12.2.	Persistence and degradability
No addit	ional information available
12.3.	Bioaccumulative potential
No addit	ional information available
12.4.	Mobility in soil
No addit	ional information available
12.5.	Other adverse effects
No addit	ional information available

SECTION 13: Disposal consideration	ns
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

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-Chloro-4-fluoro-1-iodobenzene CAS No 101335-11-9	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

2-Chloro-4-fluoro-1-iodobenzene (101335-11-9)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

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

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SECTION 16: Other information

Full text of H-phrases:

Full lex	t of H-phrases:		
	Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4
	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
	H302		Harmful if swallowed
	H315		Causes skin irritation
	H319		Causes serious eye irritation
	H335		May cause respiratory irritation
NFPA health hazard NFPA fire hazard NFPA reactivity		 : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. : 1 - Must be preheated before ignition can occur. : 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		: 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)	

SDS US (GHS HazCom 2012)

Physical

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.

: 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.