

Safety Data Sheet 4H55301 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/06/2015 Version: 1.0

SECTION 4. Identification	
SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 1-(4-Fluoro-2-nitrophenyl)pyrrolidine
CAS No	: 778-56-3
Product code	: 4H55-3-01
Formula	: C10H11FN2O2
Other means of identification	: MFCD00798372
	tance 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 of	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	<u>n</u>
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or m	ixture
Classification (GHS-US)	
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irritatiSTOT SE 3H335 - May cause respiratory irritFull text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	GHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	 P261 - Avoid breathing dust, mist, spray P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) 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

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2.3. Other hazards No additional information available					
2.4. Unknown acute toxicity (GHS US)				
Not applicable	,				
SECTION 3: Composition/informa	tion on in	aredients			
3.1. Substance		greatents			
Substance type	: Mono	-constituent			
Name		Product identifier	%	Classification (GHS-US)	
1-(4-Fluoro-2-nitrophenyl)pyrrolidine		(CAS No) 778-56-3	76 <= 100	Skin Irrit. 2, H315	
(Main constituent)		(Eye Irrit. 2A, H319 STOT SE 3, H335	
Full text of H-phrases: see section 16				5101 3E 3, 11333	
3.2. Mixture					
Not applicable					
SECTION 4: First aid measures					
4.1. Description of first aid measures					
First-aid measures general		se of accident or if you feel unwell, seek e possible). Move the affected personne			
First-aid measures after inhalation		ove person to fresh air and keep comfor ation. Get medical advice/attention.	table for breathir	ng. If not breathing, give artificia	al
First-aid measures after skin contact	: Wash	with plenty of soap and water. Get me	dical advice/atter	ntion.	
First-aid measures after eye contact	prese	diately flush eyes thoroughly with wate int and easy to do. Continue rinsing. Ge	t medical advice	/attention.	s, if
First-aid measures after ingestion		OT induce vomiting. Never give anythin n out with water. Get medical advice/att		unconscious person. Rinse	
4.2. Most important symptoms and ef	fects, both	acute and delayed			
Symptoms/injuries		nost important known symptoms and ef ind/or in section 11.	fects are describ	ed in the labelling (see section	
4.3. Indication of any immediate med	ical attentio	n and special treatment needed			
Treat symptomatically.					
SECTION 5: Firefighting measures	5				
5.1. Extinguishing media					
Suitable extinguishing media		ol resistant foam. Carbon dioxide. Dry poriate for surrounding fire.	bowder. Water sp	oray. Use extinguishing media	
5.2. Special hazards arising from the	substance	or mixture			
Fire hazard	: Therr	nal decomposition generates: Carbon c	xides. Hydrogen	fluoride. Nitrogen oxides.	
5.3. Advice for firefighters					
Firefighting instructions	: In cas	se of fire: Evacuate area.			
Protection during firefighting		gas tight chemically protective clothing ratus. For further information refer to se			'.
SECTION 6: Accidental release me					
6.1. Personal precautions, protective			la musica di sui		
General measures	: Evac	uate unnecessary personnel. Ensure ac	equate air ventil	ation. Do not breathe dust.	
6.1.1. For non-emergency personnel					
Emergency procedures	: Only	qualified personnel equipped with suital	ble protective eq	uipment may intervene.	
6.1.2. For emergency responders					
Protective equipment		ot attempt to take action without suitable to section 8: "Exposure controls/person		oment. For further information	
6.2. Environmental precautions					
Avoid release to the environment. Notify auth	orities if proc	luct enters sewers or public waters.			
6.3. Methods and material for contain	ment and c	leaning up			
For containment		leak if safe to do so.			
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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 sections	
No additional information available	
SECTION 7: Handling and sto	rage
7.1. Precautions for safe handlin	g
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 storage,	including 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.

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

 Solid No data available No data available No data available No data available
: No data available
: No data available
: No data available
: 210.2 g/mol
: No data available
: No data available

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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 re	activity
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handlin	ng and storage conditions.
10.3. Possibility of hazardous re	actions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flam	.e.
10.5. Incompatible materials	
Strong acids. Strong bases. Strong oxi	dizing agents.
10.6. Hazardous decomposition	products
Under normal conditions of storage an fire, see Section 5.	d use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological in	hformation
11.1. Information on toxicologic	al effects
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye 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

SECT	ION 12: Ecological information		
12.1.	Toxicity		
No additional information available			
12.2.	Persistence and degradability		
No addi	itional information available		
12.3.	Bioaccumulative potential		
No additional information available			
12.4.	Mobility in soil		
No addi	itional information available		
12.5.	Other adverse effects		
No additional information available			

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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 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:

1-(4-Fluoro-2-nitrophenyi)pyrrolidine CAS No 778-56-3 100%	1-(4-Fluoro-2-nitrophenyl)pyrrolidine	CAS No 778-56-3	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:

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
H315	Causes skin irritation
H319	Causes serious eye irritation
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	: 2 Moderate Hazard - Temporary or minor injury may occur
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.