

Pentafluorophenylhydrazine Safety Data Sheet 3639301 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 04/04/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: Pentafluorophenylhydrazine
CAS No	: 828-73-9
Product code	: 3639-3-01
Formula	: C6H3F5N2
Synonyms	: (2,3,4,5,6-Pentafluorophenyl)hydrazine
Other means of identification	: MFCD00007574
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.synquestlab 1.4. Emergency telephone number	<u>bs.com</u>
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
Eve Irrit. 2A H319 - Causes serious eve	eirritation
STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16	
STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements	
STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	
STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	ory irritation
Full text of H-phrases: see section 16	ery irritation
STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	<ul> <li>i viritation</li> <li>i viritation</li> <li>i Warning</li> <li>i H315 - Causes skin irritation H319 - Causes serious eye irritation</li> </ul>

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

2.3. (	Other hazards				
No addition	nal information available				
2.4. Unknown acute toxicity (GHS US)					
Not applica	able				
SECTIO	N 3: Composition/information	on on ir	gredients		
3.1. \$	Substance				
Substance	e type	: Mone	o-constituent		
Name			Product identifier	%	Classification (GHS-US)
Pentafluor (Main consti	ophenylhydrazine ituent)		(CAS No) 828-73-9	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of	H-phrases: see section 16				
3.2. I	Mixture				
Not applica	able				
SECTIO	N 4: First aid measures				
4.1. [	Description of first aid measures				
-irst-aid m	easures general		se of accident or if you feel unwell, seek r e possible). Move the affected personnel		
First-aid m	easures after inhalation		ove person to fresh air and keep comforta ration. Get medical advice/attention.	able for breathin	g. If not breathing, give artificial
First-aid m	easures after skin contact		n with plenty of soap and water. Get medi		
First-aid m	easures after eye contact	prese	ediately flush eyes thoroughly with water f ent and easy to do. Continue rinsing. Get	medical advice/	attention.
First-aid m	neasures after ingestion		: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.		
4.2.	Most important symptoms and effe		-		
Symptoms	/injuries	: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.			
4.3. I	Indication of any immediate medica	al attentic	n and special treatment needed		
Treat symp	ptomatically.				
SECTIO	N 5: Firefighting measures				
5.1. E	Extinguishing media				
Suitable e>	xtinguishing media		nol resistant foam. Carbon dioxide. Dry po opriate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
5.2. 8	Special hazards arising from the su	ubstance	or mixture		
Fire hazaro	d	: Ther	mal decomposition generates: Carbon ox	ides. Hydrogen	fluoride. Nitrogen oxides.
5.3. /	Advice for firefighters				
Firefighting	g instructions	: In ca	se of fire: Evacuate area.		
Protection	during firefighting		r gas tight chemically protective clothing in ratus. For further information refer to sect		
	N 6: Accidental release mea				
	Personal precautions, protective e				
General m	easures	: Evac	uate unnecessary personnel. Ensure ade	equate air ventila	ation. Do not breathe dust.
6.1.1. I	For non-emergency personnel				
	y procedures	: Only	qualified personnel equipped with suitabl	e protective equ	uipment may intervene.
Emergency					
	For emergency responders				

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

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

6.3.	Methods and material for containn	nent and cleaning up	
For co	ntainment	: 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.	6.4. Reference to other sections		
No ad	ditional information available		
SEC	FION 7: Handling and storage		
7.1.	Precautions for safe handling		
Precau	utions 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, includ	ling 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.
Other information	

# **SECTION 9: Physical and chemical properties**

9.1.	Information on basic physical a	nd chemical properties
Physic	cal state	: Solid
Color		: No data available
Odor		: No data available
Odor t	hreshold	: No data available
pН		: No data available
Melting	g point	: 76 - 77.5 °C
Freezi	ng point	: No data available
Boiling	g point	: No data available
Flash	point	: No data available
Relativ	ve evaporation rate (butyl acetate=1)	: No data available
Flamm	nability (solid, gas)	: No data available
Explos	sion limits	: No data available
Explos	sive properties	: No data available
Oxidizi	ing properties	: No data available
Vapor	pressure	: No data available
Relativ	ve density	: No data available
Relativ	ve vapor density at 20 °C	: No data available
Molecu	ular mass	: 198.09 g/mol

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

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

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	0.4. Conditions to avoid		
Keep away from heat, sparks and flame.			
0.5. 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 c fire, see Section 5.	ase of		
SECTION 11: Toxicological information			
11.1. Information on toxicological effects			
Acute toxicity : Not classified			
Skin corrosion/irritation : Causes skin irritation.			

Skin conosion/initation	. Causes skin initation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity Specific target organ toxicity (single exposure)	: Not classified : May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified

Aspiration hazard

: Not classified

SECT	ION 12: Ecological information	n		
12.1.	Toxicity			
No addi	tional information available			
12.2.	Persistence and degradability			
No addi	tional information available			
12.3.	Bioaccumulative potential			
No addi	tional information available			
12.4.	Mobility in soil			
No addi	tional information available			
12.5.	Other adverse effects			
No addi	No additional information available			
12/08/20	16	EN (English US)	SDS ID: 3639301	4/6

Safety Data Sheet

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

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	
<b>SECTION 15: Regulatory informatio</b>	n
15.1. US Federal regulations	
All components of this product are listed, or ex	cluded from listing, on the United States Environmental Protection Agency Toxic

Substances Control Act (TSCA) inventory except for:				
Pentafluorophenylhydrazine	CAS No 828-73-9	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**

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	

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

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.