

3,5-Difluorophenylhydrazine hydrochloride Safety Data Sheet 3639735 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 07/11/2017 Version: 1.0

Substance name:CAS No:Product code:Formula:Synonyms:Other means of identification:1.2.Relevant identified uses of the substant	Substance 3,5-Difluorophenylhydrazine hydrochloride 502496-27-7 3639-7-35 C6H7CIF2N2 (3,5-Difluorophenyl)hydrazine hydrochloride MFCD03094171
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.2. Relevant identified uses of the substar	
	ce or mixture and uses advised against
Jse of the substance/mixture :	Too or mixture and does advised against
	Laboratory chemicals Manufacture of substances Scientific research and development
.3. Details of the supplier of the safety dat	a sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America F (386) 462-0788 - F (386) 462-7097 <u>nfo@synquestlabs.com</u> - <u>www.synquestlabs.com</u>	
.4. Emergency telephone number	
mergency number :	(844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	
.1. Classification of the substance or mixt	ure
Classification (GHS-US)	
Eye Irrit. 2A H319 - Causes serious eye i STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US) :	GHS07
Signal word (GHS-US) :	Warning
o ()	H302 - Harmful if swallowed 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 P270 - Do not eat, drink or smoke when using this product
	 P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell 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) P330 - Rinse mouth P332+P313 - If skin irritation occurs: Get medical advice/attention

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	P36 P40 P40	37+P313 - If eye irritation persists: 52+P364 - Take off contaminated of 34+P233 - Store in a well-ventilate 55 - Store locked up 01 - Dispose of contents/container	clothing and wash it b d place. Keep contair	efore reuse er tightly closed
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	on on i	ngredients		
3.1. Substance				
Substance type	: Mor	no-constituent		
Name		Product identifier	%	Classification (GHS-US)
3,5-Difluorophenylhydrazine hydrochloride (Main constituent)		(CAS No) 502496-27-7	<= 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16			I	
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general		ase of accident or if you feel unwe are possible). Move the affected p		
First-aid measures after inhalation		nove person to fresh air and keep piration. Get immediate medical a		hing. If not breathing, give artificial
First-aid measures after skin contact	: Wa	sh with plenty of soap and water.	Get immediate medica	al advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.			
First-aid measures after ingestion		NOT induce vomiting. Never give uth out with water. Get immediate		
4.2. Most important symptoms and effe	cts, bot	h acute and delayed		
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. Indication of any immediate medic	al attenti	ion and special treatment neede	d	
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		ohol resistant foam. Carbon dioxid ropriate for surrounding fire.	e. Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the s	ubstance	e or mixture		
Fire hazard		ermal decomposition generates: Coogen oxides.	arbon oxides. Hydrog	en chloride. Hydrogen fluoride.
5.3. Advice for firefighters				
Firefighting instructions	: In c	ase of fire: Evacuate area.		
Protection during firefighting		ar gas tight chemically protective of aratus. For further information refe		n with self contained breathing sure controls/personal protection".
SECTION 6: Accidental release mea	sures			
6.1. Personal precautions, protective e		it and emergency procedures		
General measures		cuate unnecessary personnel. En	sure adequate air ver	ntilation. Do not breathe dust.
6.1.1. For non-emergency personnel Emergency procedures	: Onl	y qualified personnel equipped wit	h suitable protective	equipment may intervene.

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6.1.2. For e	emergency responders	
Protective equi	lipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Envi	ironmental precautions	
Avoid release t	to the environment. Notify autho	rities if product enters sewers or public waters.
6.3. Meth	hods and material for containr	ment and cleaning up
For containme	ent	: Stop leak if safe to do so.
Methods for cle	eaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Other informati	tion	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. Refe	erence to other sections	
	erence to other sections information available	
No additional in	information available	
No additional in SECTION 7		
No additional in SECTION 7 7.1. Prec	information available 7: Handling and storage	: 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.
No additional in SECTION 7 7.1. Prec	information available 7: Handling and storage cautions for safe handling or safe handling	ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective
No additional in SECTION 7 7.1. Prec Precautions for Hygiene measu	information available 7: Handling and storage cautions for safe handling or safe handling	 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.
No additional in SECTION 7 7.1. Prec Precautions for Hygiene measu	information available 7: Handling and storage cautions for safe handling or safe handling sures aditions for safe storage, include	 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.
No additional ii SECTION 7 7.1. Prec Precautions for Hygiene measu 7.2. Cont	information available 7: Handling and storage cautions for safe handling or safe handling sures aditions for safe storage, include asures	 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.
No additional ii SECTION 7 7.1. Prec Precautions for Hygiene measu 7.2. Cont Technical mea	information available 7: Handling and storage cautions for safe handling or safe handling sures ditions for safe storage, include asures tions	 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. ding any incompatibilities Comply with applicable regulations.

SECTION 8: Exposure controls/personal protection

Control parameters 8.1.

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

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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	: 261 - 266 °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	

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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	: 180.58 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 add	itional 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 r	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of

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 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

SECTI	ON 12: Ecological information				
12.1.	Toxicity				
	and information available				
No addill	onal information available				
12.2.	Persistence and degradability				
12.2.	reisistence and degradability				
No additi	onal information available				
12.3.	Bioaccumulative potential				
No additi	No additional information available				
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

3.1. Waste treatment methods	
Vaste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Vaste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
dditional information	: Recycle the material as far as possible.
SECTION 14: Transport informatic	n
Department of Transportation (DOT)	
n accordance with DOT	
lot regulated for transport	
DG	
lo additional information available	
ransport by sea	
lo additional information available	
Nir transport	
lo additional information available	
SECTION 15: Regulatory informat	on
5.1. US Federal regulations	
	excluded from listing, on the United States Environmental Protection Agency Toxic
3,5-Difluorophenylhydrazine hydrochloride	CAS No 502496-27-7 100%
	oxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 uirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986
and 40 CFR Part 372.	
and 40 CFR Part 372. 5.2. International regulations	
5.2. International regulations CANADA	

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

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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 H302 Harmful if swallowed	
Skin Irrit. 2 Skin corrosion/irritation Category 2 STOT SE 3 Specific target organ toxicity (single exposure) Category	
STOT SE 3 Specific target organ toxicity (single exposure) Category	
H302 Harmful if swallowed	3
H315 Causes skin irritation	
H319 Causes serious eye irritation	
H335 May cause respiratory irritation	
 NFPA health hazard Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. NFPA fire hazard O - Materials that will not burn. O - 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 given	treatment is
Flammability : 0 Minimal Hazard - Materials that will not burn	
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, a 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.