

3-(Trifluoromethyl)benzoic acid hydrazide

Safety Data Sheet 48563X6 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 06/13/2016 Version: 1.0

SECTION 1: Identification				
1.1. Identification				
Product form	: Substance			
Substance name	: 3-(Trifluoromethyl)benzoic acid hydrazide			
CAS No	: 22227-25-4			
Product code	: 4856-3-X6			
Formula	: C8H7F3N2O			
Synonyms	: 3-(Trifluoromethyl)benzohydrazide			
Other means of identification	: MFCD00221476			
.2. Relevant identified uses of the	substance or mixture and uses advised against			
Jse of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development			
.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	ica			
nfo@synquestlabs.com - www.synquestlab	<u>os.com</u>			
.4. Emergency telephone number				
Emergency number	: (844) 523-4086 (3E Company - Account 10069)			
SECTION 2: Horord(a) identificat	lien			
SECTION 2: Hazard(s) identificat				
1 Classification of the substance				
Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye	n irritation			
Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16	n irritation			
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2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information of	on in	gredients		
3.1. Substance				
Substance type :	Mono	-constituent		
Name		Product identifier	%	Classification (GHS-US)
3-(Trifluoromethyl)benzoic acid hydrazide (Main constituent)		(CAS No) 22227-25-4	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general :		e of accident or if you feel unwell, seek repossible). Move the affected personnel		
First-aid measures after inhalation :		ove person to fresh air and keep comforta ation. Get medical advice/attention.	able for breathin	g. If not breathing, give artificial
First-aid measures after skin contact :	Wash	with plenty of soap and water. Get medi	cal advice/atten	tion.
First-aid measures after eye contact :		diately flush eyes thoroughly with water t nt and easy to do. Continue rinsing. Get		
First-aid measures after ingestion :		OT induce vomiting. Never give anything n out with water. Get medical advice/atte		unconscious person. Rinse
4.2. Most important symptoms and effects,	both	acute and delayed		
Symptoms/injuries :		nost important known symptoms and effe nd/or in section 11.	ects are describe	ed in the labelling (see section
4.3. Indication of any immediate medical at	tentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
5.2. Special hazards arising from the substa	ance o	or mixture		
Fire hazard :	Thern	nal decomposition generates: Carbon ox	ides. Hydrogen	fluoride. Nitrogen oxides.
5.3. Advice for firefighters				
Firefighting instructions :	In cas	e of fire: Evacuate area.		
Protection during firefighting :		gas tight chemically protective clothing i atus. For further information refer to sect		
SECTION 6: Accidental release measure	es			
6.1. Personal precautions, protective equip		and emergency procedures		
		uate unnecessary personnel. Ensure ade	quate air ventila	ation. Do not breathe dust.
6.1.1. For non-emergency personnel				
0 71	Only	qualified personnel equipped with suitabl	e protective equ	ipment may intervene
			- , oqu	
6.1.2. For emergency responders Protective equipment :		ot attempt to take action without suitable to section 8: "Exposure controls/persona		ment. For further information
6.2. Environmental precautions				

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

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6.3. Methods and material for containment and cleaning up			
For containment	: 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. Reference to other sections			
No additional information available			
SECTION 7: Handling and storage	ge		
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 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, in	cluding any incompatibilities		
Technical measures	: Comply with applicable regulations.		
Storage conditions	 Keep container closed when not in use. 		

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

9	.1. Information on basic physical	and chemical properties	
Ρ	hysical state	: Solid	
С	Color	: No data available	
С	Ddor	: No data available	
С	Odor threshold	: No data available	
р	н	: No data available	
N	felting point	: 113 - 114 °C	
F	reezing point	: No data available	
В	Boiling point	: No data available	
F	lash point	: No data available	
R	Relative evaporation rate (butyl acetate=1)	: No data available	
F	lammability (solid, gas)	: No data available	
E	xplosion limits	: No data available	
E	xplosive properties	: No data available	
С	Dxidizing properties	: No data available	
V	apor pressure	: No data available	
R	elative density	: No data available	
R	elative vapor density at 20 °C	: No data available	
N	lolecular mass	: 204.15 g/mol	

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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 rea	ctivity				
10.1. Reactivity	Reactivity				
No additional information available					
10.2. Chemical stability	.2. Chemical stability				
The product is stable at normal handling	and storage conditions.				
10.3. Possibility of hazardous rea	ctions				
No additional information available					
10.4. Conditions to avoid					
Keep away from heat, sparks and flame.					
10.5. Incompatible materials					
Strong oxidizing agents.					
10.6. Hazardous decomposition p					
	use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of				
SECTION 11: Toxicological inf	formation				
11.1. Information on toxicological					
Acute toxicity	: Not classified				
Skin corrosion/irritation	: Causes skin irritation.				
Serious eye damage/irritation	: Causes serious eye irritation.				
Respiratory or skin sensitization	Not classified				

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

: Not classified

Aspiration hazard

SECTI	ON 12: Ecological information			
12.1.	Toxicity			
No additi	onal information available			
12.2.	Persistence and degradability			
No additi	onal information available			
12.3.	Bioaccumulative potential			
No additi	onal information available			
12.4.	Mobility in soil			
No additi	onal information available			
12.5.	Other adverse effects			
No additi	onal information available			
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SECTION 13: Disposal considerati	ons	
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 informatio	n .	
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 informati	ion	
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:		

3-(Trifluoromethyl)benzoic acid hydrazide CAS No 22227-25-4 100%		

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	

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NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is 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.