

3,4,5-Trifluorobenzophenone Safety Data Sheet 26173Y8 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 05/12/2016 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 3,4,5-Trifluorobenzophenone		
CAS No	: 70028-88-5		
Product code	: 2617-3-Y8		
Formula	: C13H7F3O		
Other means of identification	: MFCD00083525		
1.2. Relevant identified uses of the su	ubstance 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 safe	ty 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.			
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company - Account 10069)		
SECTION 2: Hazard(s) identification	on		
2.1. Classification of the substance o			
Classification (GHS-US)			
Eye Irrit. 2A H319 - Causes serious eye irr STOT SE 3 H335 - May cause respiratory 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		
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 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 		

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2.3. Ot	her hazards				
No additional	l information available				
2.4. Un	known acute toxicity (GHS US)				
Not applicabl	le				
SECTION	3: Composition/information	on in	gredients		
3.1. Su	bstance				
Substance ty	rpe :	Mono	-constituent		
Name			Product identifier	%	Classification (GHS-US)
3,4,5-Trifluoro (Main constitue	obenzophenone nt)		(CAS No) 70028-88-5	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-	-phrases: see section 16				
3.2. Mix	xture				
Not applicabl	le				
SECTION	4: First aid measures				
4.1. De	scription of first aid measures				
First-aid mea	isures general :		e of accident or if you feel unwell, seek		
			possible). Move the affected personnel	•	
		respir	ove person to fresh air and keep comforta ation. Get medical advice/attention.		
			with plenty of soap and water. Get med		
	sures after eye contact :	prese	diately flush eyes thoroughly with water nt and easy to do. Continue rinsing. Get	medical advice/	attention.
First-aid mea	sures after ingestion :		OT induce vomiting. Never give anything out with water. Get medical advice/atte		unconscious person. Rinse
4.2. Mo	est important symptoms and effects	, both	acute and delayed		
Symptoms/in	ymptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.				
4.3. Ind	lication of any immediate medical a	ttentio	n and special treatment needed		
Treat sympto	omatically.				
SECTION	5: Firefighting measures				
	tinguishing media				
	• •		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
5.2. Sp	ecial hazards arising from the subst	tance o	or mixture		
Fire hazard	•		nal decomposition generates: Carbon ox	ides. Hvdrogen	fluoride.
	vice for firefighters		,	,	
Firefighting in		In cas	e of fire: Evacuate area.		
0 0			gas tight chemically protective clothing i	n combination w	vith self contained breathing
r rotcotion da			atus. For further information refer to sec		
SECTION	6: Accidental release masses	r.o.c.			<u></u>
	6: Accidental release measu				
6.1. Per General mea	rsonal precautions, protective equip sures		and emergency procedures late unnecessary personnel. Ensure ade	equate air ventila	ation. Do not breathe dust.
6.1.1. Fo	r non-emergency personnel				
Emergency p		Only	qualified personnel equipped with suitable	le protective equ	lipment may intervene.
6.1.2. Fo	r emergency responders				
Protective eq	juipment :		at attempt to take action without suitable to section 8: "Exposure controls/persona		ment. For further information
6.2. En	vironmental precautions				
	e to the environment. Notify authorities	if proc	uct enters sewers or public waters.		
	thods and material for containment	and c	eaning up		
6.3. Me					
6.3. Me For containm		Stop	eak 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 sec	tions
No additional information available	
SECTION 7: Handling and	storage
7.1. Precautions for safe h	andling
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 of smoke when using this product. Always wash hands after handling the product.

	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

9.1. Information on basic physical an	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	: 77 - 78 °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
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	: 236.19 g/mol
Solubility	: No data available
Log Pow	: 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 rea	activity
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handlin	g and storage conditions.
10.3. Possibility of hazardous rea	actions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flame	٤.
10.5. Incompatible materials	
Strong oxidizing agents.	
10.6. Hazardous decomposition	products
Under normal conditions of storage and fire, see Section 5.	I use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological in	formation
11.1. Information on toxicologica	Il effects
Acute toxicity	· Not classified

Acute toxicity	: Not classified
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
No additi	ional information available
12.2.	Persistence and degradability
No additi	ional information available
12.3.	Bioaccumulative potential
No additi	ional information available
12.4.	Mobility in soil
No additi	ional information available
12.5.	Other adverse effects
No additi	ional 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

Not regulate

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:

3,4,5-Trifluorobenzophenone	CAS No 70028-88-5	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	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
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	 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)
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.