

Safety Data Sheet 2817308 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/18/2018 Version: 1.0

SECTION 1: Identification		
1.1. Identification		
Product form	: Substance	
Substance name	: 3',5'-Bis(trifluoromethyl)acetophenone	
CAS No	: 30071-93-3	
Product code	: 2817-3-08	
Formula	: C10H6F6O	
Synonyms	: MBT-Ac	
Other means of identification	: MFCD00009910	
	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 saf	fety data sheet	
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Americ 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)	
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye iSTOT SE 3H335 - May cause respirator	irritation	
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye i STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16	irritation	
Skin Irrit. 2 H315 - Causes skin irritation 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	irritation	
Skin Irrit. 2 H315 - Causes skin irritation 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	irritation	
Eye Irrit. 2AH319 - Causes serious eye iSTOT SE 3H335 - May cause respiratorFull text of H-phrases: see section 162.2.Label elements	irritation	
Skin Irrit. 2 H315 - Causes skin irritation 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) Signal word (GHS-US)	 irritation ry irritation : irritation : irritation : irritation : Warning : H227 - Combustible liquid H315 - Causes skin irritation H319 - Causes serious eye irritation 	ontact

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	P403+P2 P403+P2 P405 - St	P370+P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish P403+P233 - Store in a well-ventilated place. Keep container tightly closed P403+P235 - Store in a well-ventilated place. Keep cool P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant		
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS U	S)			
Not applicable				
SECTION 3: Composition/information	ation on ingre	dients		
3.1. Substance				
Substance type	: Mono-cor	nstituent		
Name	Pr	oduct identifier	%	Classification (GHS-US)
3',5'-Bis(trifluoromethyl)acetophenone (Main constituent)	(C/	AS No) 30071-93-3	<= 100	Flam. Liq. 4, H227 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 measure	S			
First-aid measures general	where pos	ssible). Move the affected pe	rsonnel away from th	
First-aid measures after inhalation		: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get medical advice/attention.		
First-aid measures after skin contact		h plenty of soap and water. G		
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 medical advice/attention. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse 			
First-aid measures after ingestion	mouth ou	t with water. Get medical adv		an unconscious person. Rinse
4.2. Most important symptoms and o				
Symptoms/injuries		or in section 11.	and effects are desc	ribed in the labelling (see section
4.3. Indication of any immediate me	dical attention an	nd special treatment needed	ł	
Treat symptomatically.				
SECTION 5: Firefighting measure	s			
5.1. Extinguishing media				
Suitable extinguishing media		esistant foam. Carbon dioxide te for surrounding fire.	e. Dry powder. Water	r spray. Use extinguishing media
5.2. Special hazards arising from the	e substance or m	ixture		
Fire hazard	: Thermal decomposition generates: Carbon oxides. Hydrogen fluoride.			
Explosion hazard	: Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers. May form flammable/explosive vapor-air mixture.			
5.3. Advice for firefighters				
Firefighting instructions				
Protection during firefighting				n with self contained breathing sure controls/personal protection".
SECTION 6: Accidental release m				
6.1. Personal precautions, protectiv				atilation. Do not broothe see fur-
General measures	: Evacuate vapor or s		sure adequate air ver	ntilation. Do not breathe gas, fumes,
6.1.1. For non-emergency personnel				
Emergency procedures		ified personnel equipped with		
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6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. Consider the risk of potentially explosive atmospheres. Eliminate every possible source of ignition.	
6.2. Environmental precautions		
Avoid release to the environment. Notify aut	horities if product enters sewers or public waters.	
6.3. Methods and material for contain	inment and cleaning up	
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.	
Methods for cleaning up	: Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.	
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 storag	e	
7.1. Precautions for safe handling		
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.	
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 fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools.	
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, inc	luding any incompatibilities	
Technical measures	: Comply with applicable regulations.	
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources.	
Incompatible materials : Refer to Section 10 on Incompatible Materials.		
Storage area	: Store in dry, cool, well-ventilated area.	

SECTI	ON 8: Exposure controls/personal protection
8.1.	Control parameters
No addit	ional 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				
Physical state	: Liquid			
Color	: No data available			
Odor	: No data available			
Odor threshold	: No data available			
рН	: No data available			
Melting point	: No data available			
Freezing point	: No data available			

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Boiling point	: 85 °C (@ 8 mm Hg)
Flash point	: 82 °C
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
Specific gravity / density	: 1.422 g/ml (@ 25 °C)
Molecular mass	: 256.1445 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	

Refractive index

: 1.4221 (@ 20 °C)

SECTION 10: Stability and reactivity

10.1.	Reactivity
No additi	onal information available
10.2.	Chemical stability
The prod	uct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No additi	onal information available
10.4.	Conditions to avoid
Keep awa	ay from heat, sparks and flame.
10.5.	Incompatible materials
Strong ba	ases. Strong oxidizing agents.
10.6.	Hazardous decomposition products
fire, see \$	rmal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of Section 5.
SECTION	ON 11: Toxicological information
11.1.	Information on toxicological effects
Acute tox	icity . 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

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SECT	ION 12: Ecological information
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	tional information available

SECTION 13: Disposal consideration	6
13.1. Waste treatment methods	5
Waste treatment methods Waste disposal recommendations Additional information	 Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. Dispose of contents/container in accordance with licensed collector's sorting instructions. Recycle the material as far as possible.
SECTION 14: Transport information	
Department of Transportation (DOT) In accordance with DOT Transport document description	: NA1993 Combustible liquid, n.o.s., 3, III
mansport document description	
UN-No.(DOT) Proper Shipping Name (DOT) Transport hazard class(es) (DOT) Packing group (DOT) DOT Packaging Non Bulk (49 CFR 173.xxx)	 NA1993 Combustible liquid, n.o.s. 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 III - Minor Danger 203
DOT Packaging Bulk (49 CFR 173.xxx) DOT Symbols	 241 D - Proper shipping name for domestic use only, or to and from Canada,G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	 IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HD2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T1 - 1.5 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Other information	: No supplementary information available.
TDG	
No additional information available	
Transport by sea No additional information available	

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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',5'-Bis(trifluoromethyl)acetophenone	CAS No 30071-93-3	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

ĺ	3'.5'-Bis(trifluorometh	yl)acetophenone (30071-93-3)	

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the TCSI (Taiwan Chemical Substance Inventory)

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
Flam. Liq. 4	Flammable liquids Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H227	Combustible liquid
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

: 3 - Short exposure could cause serious temporary or

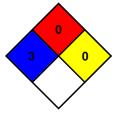
NFPA health hazard

NFPA fire hazard

NFPA reactivity

residual injury even though prompt medical attention was given. : 0 - Materials that will not burn.

: 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.