

2',3',4'-Trimethoxyacetophenone Safety Data Sheet 2617113 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 02/11/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 2',3',4'-Trimethoxyacetophenone
CAS No	: 13909-73-4
Product code	: 2617-1-13
Formula	: C11H14O4
Synonyms	: 1-(2,3,4-Trimethoxyphenyl)ethan-1-one
Other means of identification	: MFCD00008726
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	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
STOT SE 3 H335 - May cause respirate Full text of H-phrases: see section 16 2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	
Signal word (GHS-US) Hazard statements (GHS-US)	GHS07 : Warning : H315 - Causes skin irritation
	H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	 P261 - Avoid breathing fumes, mist, spray, vapors 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 P332+P313 - If skin irritation occurs: Get medical advice/attention P332+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. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	on in	predients		
3.1. Substance		<u>, , , , , , , , , , , , , , , , , , , </u>		
	Mono	-constituent		
Name		Product identifier	%	Classification (GHS-US)
2',3',4'-Trimethoxyacetophenone		(CAS No) 13909-73-4	<= 100	Skin Irrit. 2, H315
(Main constituent)				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 r		
First-aid measures after inhalation		possible). Move the affected personnel we person to fresh air and keep comfortation t		
		ation. Get medical advice/attention.		g. If not breathing, give artificial
First-aid measures after skin contact :	Wash	with plenty of soap and water. Get medi	ical advice/atten	tion.
First-aid measures after eye contact :		diately flush eyes thoroughly with water i		
First aid managers offer ingestion	•	nt and easy to do. Continue rinsing. Get DT induce vomiting. Never give anything		
First-aid measures after ingestion :		out with water. Get medical advice/atte		unconscious person. Rinse
4.2. Most important symptoms and effects	, both a	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				
Suitable 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 subst	tance o	or mixture		
Fire hazard :	Thern	nal decomposition generates: Carbon ox	ides.	
Explosion hazard :		of explosion if heated under confinement		ay or fog for cooling exposed
	conta	ners. May form flammable/explosive vap	oor-air mixture.	
5.3. Advice for firefighters				
0 0		e of fire: Evacuate area. Fight fire remot		•
Protection during firefighting :		gas tight chemically protective clothing i atus. For further information refer to sect		
SECTION 6: Accidental release measu	res			
6.1. Personal precautions, protective equip	oment	and emergency procedures		
General measures :		ate unnecessary personnel. Ensure ade or spray.	equate air ventila	ation. Do not breathe gas, fumes,
6.1.1. For non-emergency personnel				
	Only o	qualified personnel equipped with suitabl	e protective equ	ipment may intervene.
6.1.2. For emergency responders				
0,0,1	Do no	t attempt to take action without suitable	protective equip	ment. For further information
		o section 8: "Exposure controls/persona		

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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 auth	orities if product enters sewers or public waters.
6.3. Methods and material for contain	ment 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 storage	
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, inclu	uding 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.
Storogo orog	· Store in dry, and well ventilated area

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 chemica	I properties
9.1. Information on basic physical and	d chemical properties
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
PH	: No data available
Melting point	: 14 - 15 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 110 °C
Relative evaporation rate (butyl acetate=1)	: No data available

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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	: 210.23 g/mol
Solubility	: No data available
Log Pow	: 1.12
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	litional information available
10.2.	Chemical stability
The pro	oduct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	litional information available
10.4.	Conditions to avoid
Keep a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	acids. Strong bases. Strong oxidizing agents.
10.6.	Hazardous decomposition products
Under	normal conditions of storage and use, bazardous 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	: Not classified
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity	 Causes skin irritation. Causes serious eye irritation. Not classified Not classified Not classified Not classified
Reproductive toxicity Specific target organ toxicity (single exposure)	 Not classified Not classified May cause respiratory irritation.
Specific target organ toxicity (repeated exposure) Aspiration hazard	: Not classified : Not classified

SECTION 12: Ecological information		
12.1. Toxicity		
2',3',4'-Trimethoxyacetophenone (13909-73-4)		
LC50 fish 1	172 mg/l (Exposure time: 96 h - Species: Pimephales pro	omelas [flow-through])
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12.2.	Persistence and degradability		
No addi	tional information available		
12.3.	Bioaccumulative potential		
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Log P	w	1.12	
12.4.	Mobility in soil		
No addi	tional information available		

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	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 information	n

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 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:

2',3',4'- I rimethoxyacetophenone CA	CAS No 13909-73-4	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

2',3',4'-Trimethoxyacetophenone (13909-73-4)	
Listed on the Japanese ENCS (Existing & New Chemical Substances) 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

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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	
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	re 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.