

Safety Data Sheet 46545Y4 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

1.4 Montification	
1.1. Identification	
Product form	: Substance
Substance name	: 4'-Chloro-3'-nitroacetophenone
CAS No	: 5465-65-6
Product code	: 4654-5-Y4
Formula	: C8H6CINO3
Synonyms	: 1-(4-Chloro-3-nitrophenyl)ethan-1-one; 5-Acetyl-2-chloronitrobenzene
Other means of identification	: MFCD00007083
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	fety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Ameri 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)
	. (044) 323-4000 (3E Company - Account 10009)
SECTION 2: Hazard(s) identificat	ion
2.1. Classification of the substance	or mixture
Classification (GHS-US)	
Skin Irrit. 2H315 - Causes skin irrit.Eye Irrit. 2AH319 - Causes seriousSTOT SE 3H335 - May cause respiAquatic Acute 2H401 - Toxic to aquatic	eye irritation iratory irritation
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- 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

		P501	- Dispose of contents/container to an ap	proved waste di	sposai piant
2.3.	Other hazards				
	additional information available				
2.4.					
Not app	licable				
SECT	ION 3: Composition/information	on in	gredients		
3.1.	Substance				
Substar	nce type	Mono	-constituent		
Name			Product identifier	%	Classification (GHS-US)
	ro-3'-nitroacetophenone onstituent)		(CAS No) 5465-65-6	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 2, H401
Full tex	t of H-phrases: see section 16				
3.2.	Mixture				
Not app					
	ION 4: First aid measures				
4.1.	Description of first aid measures				
	<u> </u>	where	se of accident or if you feel unwell, seek is possible). Move the affected personnel	away from the c	contaminated area.
First-aid	d measures after inhalation	respir	ove person to fresh air and keep comforta ation. Get medical advice/attention.		
			Wash with plenty of soap and water. Get medical advice/attention.		
			diately flush eyes thoroughly with water t nt and easy to do. Continue rinsing. Get		
First-aid	First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.			unconscious person. Rinse	
4.2.	Most important symptoms and effects	, both a	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.			ed in the labelling (see section		
4.3.	Indication of any immediate medical attention and special treatment needed				
Treat sy	mptomatically.				
SECT	ION 5: Firefighting measures				
5.1.	Extinguishing media				
-	0 0	Alcoh appro	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 subs	tance o	or mixture		
Fire haz			nal decomposition generates: Carbon ox	ides. Hydrogen	chloride. Nitrogen oxides.
5.3.	Advice for firefighters				~
	· ·	In cas	case of fire: Evacuate area.		
-	Protection during firefighting : Wea		Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".		
SECT	ION 6: Accidental release measu	ires			
6.1.	Personal precautions, protective equi	pment	and emergency procedures		
		Evacu	late unnecessary personnel. Ensure ade	quate air ventila	ation. Do not breathe dust.
6.1.1.	For non-emergency personnel	. .			
Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene.					
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".					

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6.2. Environmental precautions			
Avoid release to the environment. Notify authorities if product enters sewers or public waters.			
6.3. Methods and material for containme	ent 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			
SECTION 7: Handling and storage			
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, includi	ng 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 a	and chemical properties
Physical state	: Solid
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
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

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Relative vapor density at 20 °C	: No data available
Molecular mass	: 199.59 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

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Keep away from heat, sparks and flame.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Strong reducing agents.

10.6. Hazardous decomposition products

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	: 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

SECTION 12: Ecological information			
12.1. Toxicity			
4'-Chloro-3'-nitroacetophenone (5465-65-6)			
LC50 fish 1	5.4 - 5.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])		
12.2. Persistence and degradability			
No additional information available			
12.3. Bioaccumulative potential			

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

SECTION 13: Disposal consider	ations		
13.1. Waste treatment methods			
Waste treatment methods Waste disposal recommendations Additional information	: Dispose of con		d with an afterburner and a flue gas scrubber. with licensed collector's sorting instructions.
SECTION 14: Transport informa	tion		
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 inform	ation		
15.1. US Federal regulations			
All components of this product are listed, Substances Control Act (TSCA) inventor		on the United States Environm	ental Protection Agency Toxic
4'-Chloro-3'-nitroacetophenone		CAS No 5465-65-6	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

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Full text of	H-phrases:	
Ac	quatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Ey	ve Irrit. 2A	Serious eye damage/eye irritation Category 2A
Sk	sin Irrit. 2	Skin corrosion/irritation Category 2
ST	FOT SE 3	Specific target organ toxicity (single exposure) Category 3
H3	315	Causes skin irritation
H3	319	Causes serious eye irritation
H3	335	May cause respiratory irritation
H4	401	Toxic to aquatic life
NFPA heal NFPA fire h NFPA reac	nazard	 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. 0 - Materials that will not burn. 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Ra	ating	
Health : 2 Moderate Hazard - 7		: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability : 0 Minimal Hazard - M		: 0 Minimal Hazard - Materials that will not burn
		: 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.