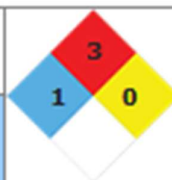




## Safety Data Sheet

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## Acetone

**1****Identification of the substance or mixture and of the supplier**

## 1.1 GHS Product name or GHS product identifier

- 1.1.1 Common name : Acetone  
1.1.2 Chemical formula :  $\text{CH}_3\text{COCH}_3$   
1.1.3 Commercial name : Acetone  
1.1.4 CAS number : 67-64-1  
1.1.5 Molecular weight : 58.08 g/mol

## 1.2 Other product identifier

- 1.2.1 UN Number : 1090  
1.2.2 Annex I, EU directive 67/948/EC: 606-001-00-8  
1.2.3 EC number : 200-662-2

## 1.3 Recommendation for use and other prohibitions for use

Do not expose to heat

**1.4 Manufacturer or Supplier Detail**

- 1.4.1 Manufacturer or Supplier: PTT Global Chemical Public Company Limited, 1.4.2 Address: 9, Soi G-9, Pakorn Songkhraorat Road ,Map Ta Phut , Muang Rayong, Rayong 21150, Thailand

1.4.3 Telephone number : +6638643972

1.5 Emergency telephone number : **+6638643999**

## 1.6 Other information

- 1.6.1 Hazardous substance  No  Yes 1.6.2 Highly Hazardous Chemicals  No  Yes

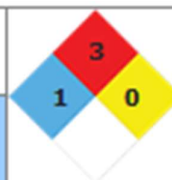
1.6.3 Hazardous category : 3

1.6.4 Max quantity storage :

1.6.5 Uses :

this product for process

1.6.6 Other :



## Acetone

**2****Hazards identification****2.1. GHS classification of the substance/mixture and any national or regional information**

2.1.1. Hazard classification according to the GHS

**2.2 GHS label elements, including precautionary statements**

2.2.1. Chemical name :

2.2.2. Product name or GHS product identifier :

2.2.3. Symbol and Hazard pictograms

2.2.4. Signal words :

2.2.5. Hazard statement :

**Hazard Statement Code****Hazard Statement**



## Acetone

2

## Hazards identification (cont.)

## 2.2.6 Precautionary information

+	Code	Prevention Precaution
+	Code	Response Precaution
+	Code	Storage Precaution
+	Code	Disposal Precaution

## 2.2.7 Supplemental information

## 2.3 Other hazards which do not result in classification or are not covered by the GHS

## 2.3.1 Potential Chronic Health Effects

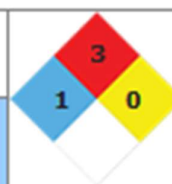
2.3.1.1 Carcinogen effects  MaybeCarcinogen  Carcinogen  NonCarcinogen  NA2.3.1.2 Mutagenic effects  Mutagenic  NonMutagenic  NA

2.3.1.3 Other

## 2.4 Environmental Hazards



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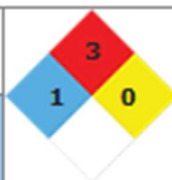
## Acetone

## 3

## Composition / information on ingredients

3.1.  Homogeneous substance  Mixture substance

No.	Composition name	General name	Synonym	UN number	CAS number	EC number	Impurities and stabilizing additives	% weight % weight
-----	------------------	--------------	---------	-----------	------------	-----------	--------------------------------------	----------------------



## Acetone

**4****First-aid measures**

## 4.1 First-aid

4.1.1 Inhalation

4.1.2 Skin contact

4.1.3 Eyes contact

4.1.4 Ingestion

## 4.2 Most important symptoms/effects

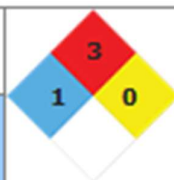
4.2.1 Immediate effects

4.2.2 Delayed effects

## 4.3 Indication of immediate medical attention

## 4.4 Special treatment needed, if necessary

## 4.5 Other



## Acetone

**5****Fire fighting measures**

5.1 Unsuitable extinguishing media :

5.2 Suitable extinguishing media :

5.3 Specific hazards arising from the chemical

5.4 Special protective equipment and precautions for fire-fighters

5.5 Precautions for fire fighters

5.6 Other information

**6****Accidental release measures**

6.1 Personal precautions

6.2 Protective equipment

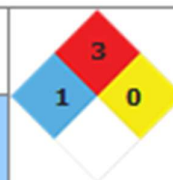
6.3 Emergency procedures

6.3.1 Massive leak

6.3.2 Slight leak

6.4 Environmental precautions

6.5 Methods and materials for containment and cleaning up



## Acetone

## 7

## Handling and storage

7.1 Precautions for safe handling

7.2 Incompatibility

7.2.1 Safe storage condition

7.2.2 Incompatible chemicals storage prohibitions

7.3 Storage area :

7.4 Incompatible chemicals condition

7.5 Hazard Class by UN :

7.6 Classification by law :

## 8

## Exposure controls/personal protection

8.1 Occupational exposure limit values or biological limit values

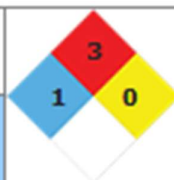
Name	TLV-TWA	TLV-STEL	TLV-C	PEL	Thai	biological limit values
------	---------	----------	-------	-----	------	-------------------------

8.2 Appropriate engineering controls

8.3 Personal protective equipment

8.4 Personal hygiene

8.5 Other protection



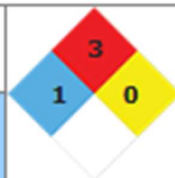
## Acetone

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## Physical and chemical properties

9.1 Appearance :	
9.2 Odour :	
9.3 Odour threshold limit :	ppm
9.4 PH-value :	()
9.5 Melting point and Freezing point :	Melting point °C Freezing point °C
9.6 Initial boiling point/Boiling range :	Boiling point °C Boiling range °C - °C
9.7 Flash point :	°C (close cup)
9.8 Evaporation rate :	mg/sec
9.9 Flammability (solid, gas)	Burning time sec and/or Burning Rate mm/sec
9.10 Upper/Lower flammability or explosive limits	%LEL to %UEL
9.11 Vapour pressure :	kPa at °C
9.12 Vapour density :	kpa
9.13 Relative density :	
9.14 Solubility(ies) :	
9.15 Partition coefficient : n-octanol/water :	
9.16 Auto-ignition temperature :	°C
9.17 Decomposition temperature :	°C
9.18 Viscosity :	kJ/g
9.19 Heat of Combustion :	(KJ)
9.20 The ignition distance test :	cm
9.21 The enclosed space ignition test :	s/m <sup>3</sup>
9.22 The foam test :	Respect to air cm Flame duration sec
9.23 Burn rate test	

Detail	Chemical		Unit
	Non-metal powder	Metal powder	
Wetted zone stops the fire			min
Burning time			sec
Burning rate			mm/s



## Acetone

**10****Stability and reactivity**

10.1 Reactivity :

10.2 Chemical Stability :

 Stability  Instability and emit gas  N/A

10.3 Possibility of Hazardous reaction :

10.4 Conditions to avoid :

10.5 Incompatible materials :

10.6 Hazardous decomposition products :

10.7 Corrosivity :

**11****Toxicological information**

11.1 Route of entry

 Inhalation Ingestion Skin contact Eyes contact

Route of entry

Inhalation

Ingestion

Skin contact

Eye contact

11.2 Symptoms related to the physical, chemical and toxicological characteristics

11.2.1 Symptom related with physical characteristic

11.2.2 Symptom related with chemical characteristic

11.2.3 Symptom related with toxicology :

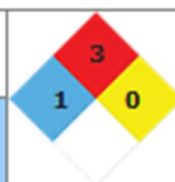
11.3 Contact delayed, immediate and chronic effects

11.4 Numerical measures of toxicity

11.4.1 Acute oral toxicity :

11.4.2 Acute dermal toxicity :

11.4.3 Acute toxic of the vapour :



## Acetone

**12****Ecological information**

## 12.1 Ecotoxicity (aquatic and terrestrial, where available)

12.1.1 Immediate fish toxic :

12.1.2 Immediate crustaceans toxic :

12.1.3 Immediate algae toxic :

12.2. Persistence and degradability :

12.3. Bio-accumulative potential :

12.4. Mobility in soil :

12.5. Other adverse effects :

**13****Disposal considerations**

13.1 Waste information :

13.2 Remain materials :

13.3 Waste disposal :

13.4 Package contaminated disposal :

**14****Transport information**

14.1 UN Number :

14.2 UN Proper Shipping Name :

14.3 Transport Class/Division :

14.4 Package group (if any) :

14.5 Marine pollution :

 Yes  No  N/A

14.6 Special precautionary for user :

14.7 DGF(Transport in bulk) :

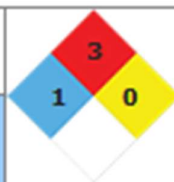
14.8 Classification code :

14.9 Other details

**Pictogram**



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## Acetone

## 15

## Regulatory information

## 15.1 Safety, health and environmental regulations

## 16

## Other information

## 16.1 Date of latest issue

09/02/2026

## 16.2 Description of point of Safety Data Sheet changing

## 16.3 Abbreviation explanation

NFPA Hazard Code	HMIS Hazard	Rating System
<p>The diagram shows a diamond with four colored sections: blue (top-left), red (top-right), yellow (bottom-right), and white (bottom-left). Labels 'Health', 'Fire Hazard', 'Reactivity', and 'Specific' are placed around the diamond.</p>	<input type="radio"/> Health	0 = No hazard
	<input type="radio"/> Flammability	1 = Slight hazard
	<input type="radio"/> Reactivity	2 = Moderate hazard
		3 = Serious hazard
		4 = Severe hazard

## 16.5 Information Safety Data Sheet files :

master file

reference file

## 16.6 Local regulations :

## 16.7 Reference

## 16.8 Other details

## NFPA Rating and GHS Pictogram



UN Number :  
Flash point :  
TWA-TLV:  
Hazard statement

CAS Number :  
Auto-ignition :  
Classification:

## Emergency call

### Health hazard



### Personal protection equipment

### First aids



### Fire extinguishing media



### Store and transportation



### Leakage handling



For more information please contact / For more information please contact :

Code No. /Code No. Number of Revision / Number of Revision

Warning / Warning :

# Acetone

UN No : 1090

CAS No : 67-64-1



## Signal words :

### Hazard statement



### First aids :

### Precautionary Statement

### Emergency number :

**038643999**

### Protective equipment:

### Manufacturer / Supplier

**Company** PTT Global Chemical Public Company Limited,

**Address** 9, Soi G-9, Pakorn Songkhraorat Road ,Map Ta Phut , Muang Rayong,  
Rayong 21150, Thailand

**Telephone number** +6638643972