

# Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)



Revision date 24.10.2019

Print date 24.10.2019

Version 2

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

1.2 Relevant identified uses of the substance or mixture and uses advised against TK.930117

Generic name Benzophenone, min 99% for Synthesis

REACH No.

CAS No. 119-61-9

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Use as laboratory reagent.

Use of the substance / mixture

Uses advised against

### Details of the supplier of the safety data sheet

Name TEKKİM KİMYA SAN. T.C. LTD. Tİ.

Street ORGANİZE SAN. BÖL. M

Telephone 0224 243 21 71

E-mail tekkim@tekkim.com.tr

Company Representative Gökhan ÖZKAN

**Emergency Telephone Number 0553 209 14 16 - 0553 209 14 18**

## SECTION 2: Hazards identification

### Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Aquatic Acute 1

Aquatic Chronic 1

Full text of R-, H- and EUH-phrases: see section 16.

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### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Hazard pictograms



##### Signal word

##### Hazard Statements

May cause long lasting harmful effects to aquatic life.

##### Precautionary Statements

###### Prevention

P273 Avoid release to the environment.

###### Response

###### Storage

### 2.3 Other hazards

## SECTION 3: Composition/information on ingredients

### Substances

Formula C<sub>6</sub>H<sub>5</sub>COC<sub>6</sub>H<sub>5</sub> C<sub>12</sub>H<sub>10</sub>O (Hill)

EC No. 204-337-6

Molar mass 182,22 g/mol

<u>Characteristic</u>	<u>CAS No</u>	<u>EC No</u>	<u>Concentration</u>	<u>Classification</u>
Benzophenone, min 99% for Synthesis	119-61-9	204-337-6		;4:H4104:H411

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### Description of first aid measures

General information	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible)..
Following inhalation	Remove casualty to fresh air and keep warm and at rest..
Following skin contact	Subsequently wash off with:.
Following eye contact	In case of contact with eyes, rinse immediately thoroughly with plenty of edible oil and consult an ophthalmologist..
Following ingestion	Please give up to two glasses of water. Get immediate medical attention..

### Most important symptoms and effects, both acute and delayed

Cyanosis (blue coloured blood).

### Indication of any immediate medical attention and special treatment needed

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No information available..

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

*Suitable extinguishing media*

Water. Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

*Unsuitable extinguishing media*

Water spray jet.

#### 5.2 Special hazards arising from the substance or mixture

Flammable. It can create explosive mixtures with air on intense heating. In case of fire hazardous combustion gases or vapors may occur..

#### 5.3 Advice for firefighters

*Special protective equipment for firefighters*

Wear a self-contained breathing apparatus and chemical protective clothing..

#### 5.4 Additional information

Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control..

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Don't breathe dust. Avoid substance contact. Keep away from head and source of ignition. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert..

#### 6.2 Environmental precautions

Do not allow to enter into surface water or drains..

#### 6.3 Methods and material for containment and cleaning up

Close drainage channels. Take up with liquid-absorbent material. Clean the affected area.

#### 6.4 Reference to other sections

Disposal: see section 13.

#### 6.5 Additional information

Clear spills immediately..

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### SECTION 7: Handling and Storage

#### 7.1 Precautions for safe handling

*Advices on safe handling*

*Measures to prevent fire*

*Advices on general occupational hygiene*

#### 7.2 Conditions for safe storage, including any incompatibilities

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### Technical measures and storage conditions

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### 7.3 Specific end uses

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## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values

### 8.2 Exposure controls

#### Appropriate engineering controls

Fresh air (open windows and doors) is necessary..

#### Personal protection equipment

##### Eye/face protection

Safety glasses

##### Hand protection

Full contact

Glove material : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

Splash contact :

Glove material : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

The protective gloves to be used must comply with the specifica

##### Other skin protection

Protective chlothing

##### Respiratory protection

Required when dusts are generated

Recommended filter type :

Filter P 1 for solid particles of inert materials (according to DIN 3181)

#### Environmental exposure controls

See section 7. Additional information about obligations under the common European environment protection regulations:.

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## SECTION 9: Physical and chemical Properties

### Information on basic physical and chemical properties

Physical state	crystalline
Colour	colourless
Odour	characteristic
Odour threshold	no information
pH value	0 g/l
Melting point/freezing point	47 - 49 °C

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Freezing point	no information
Initial boiling point and boiling range	304 - 306 °C at 1.013 hPa
Flash point	150 °C Metod :DIN 51758 (08/200
Evaporation rate	no information
Flammability (solid, gas)	no information °C
Upper/lower flammability or explosive limits	no information
Upper/lower flammability or explosive limits	no information
Vapour pressure	0,004 hPa-1,3 hPa 20-108 °C
Vapour density	no information
Density	1,1 g/cm <sup>3</sup> 25 °C
Relative density	no information
Water solubility (g/l)	0,14 g/l at 25°C °C
Fat solubility (g/l)	no information °C
Partition coefficient: n-octanol/water	log Pow: 3.18 (experimental) Bioaccumulation is not expected
Auto-ignition temperature	no information
Decomposition temperature	> 320 °C
<b>Viscosity</b>	
Kinematic viscosity	no information
Dynamic viscosity	no information
Explosive properties	not classified as explosive.
Oxidising properties	none

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### SECTION 10: Stability and Reactivity

#### 10.1 Reactivity

Section 10.3 to see.

#### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures..

#### 10.3 Possibility of hazardous reactions

Severe reactions with:  
Strong oxidizing agents

#### 10.4 Conditions to avoid

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#### 10.5 Incompatible materials

Not information..

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### 10.6 Hazardous decomposition products

No known hazardous decomposition products..

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute oral toxicity  
No information

Skin irritation  
Not irritation

Eye irritation  
Not irritation

### 11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

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## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish  
LC50 Pimephales promelas (Carp fry): 10.9 mg / l; 96 h  
(ECOTOX Database)

### 12.2 Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic

### 12.3 Bioaccumulative potential

Partition coefficient (n-octanol / water)  
log Pow: 3.18  
(experimental)  
Bioaccumulation is not expected

### 12.4 Mobility in soil

Distribution in environmental environments  
log Koc: 2,7  
(External MSDS) Mobility of the substance is expected in the soil (log koc3).

### 12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB

### 12.6 Other adverse effects

Discharge into environment must be avoided

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## SECTION 13: Disposal considerations

### *Waste treatment methods*

It must be disposed of in accordance with national and local regulations. Do not mix with other products. It was to proceed as their products uncleaned packaging. Atık Maddeler.

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## SECTION 14: Transport information

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### Land transport (ADR/RID)

**UN number** UN 3077  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(BENZOPHENONE)  
**Transport hazard class(es)** 9  
**Packing group** III  
**Environmental hazards** yes  
**Special precautions for** yes  
**Tunnel restriction code**

### Inland waterway transport (ADN)

**Limited quantity (LQ)**  
**Special Provisions**  
**Category**

### Air transport (ICAO-TI / IATA-DGR)

**UN number** UN 3077  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(BENZOPHENONE)  
**Transport hazard class(es)** 9  
**Packing group** III  
**Environmental hazards** yes  
**Special precautions for** no

### Sea transport (IMDG)

**UN number** UN 3077  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(BENZOPHENONE)  
**Transport hazard class(es)** 9  
**Packing group** III  
**Environmental hazards** yes  
**Special precautions for** yes

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## SECTION 15: Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

Storage class : 10-13

### Chemical Safety Assessment

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## SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

May cause long lasting harmful effects to aquatic life.  
P273 Avoid release to the environment.

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### Prepared the Document

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