

Safety Data Sheet

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

Revision Date: 23.11.2022 Version 2

TEKKİM

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

1.1 Product identifier

Catalog No. TK.930117.00000
Product Name Benzophenone min.>%99
Cas no 119-61-9

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

1.2.1. Relevant identified uses

Use as a laboratory reagent.

1.2.2. Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Name TEKKİM KİMYA SAN. TİC. LTD. ŞTİ.
Street ORGANİZE SAN. BÖL. MAVİ CAD. 8. SOK. NO :1 NİLÜFER / BURSA
Telephone 0224 243 21 71
E-mail erhan@tekkim.com.tr
Company Representative Erhan DİLER

1.4 Emergency Telephone Number +90 506 990 36 86

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Specific Target Organ Toxicity – Repeated Exposure, Oral, Category 2, Liver, Kidney
Long (chronic) aquatic hazard, Category 3

For the full text of the H and EUH statements referred to in this section, see section 16.

2.2 Label elements

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

Hazard pictograms



Signal word (SEA)

WARNING

Hazard Statements (SEA)

H373 May cause damage to organs (Liver, Kidney) through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements (SEA)

Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P314 Get medical advice/attention if you feel unwell.

P501 Dispose of contents/container to an approved waste disposal facility.

SECTION 3: Composition/information on ingredients


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

3.1 Maddeler

EC No 204-337-6
Molar mass 182.22 g/mol
Cas No 119-61-9



Tekkim is accredited to
ISO 9001:2015 and ISO 14001:2015

Tekkim Kimya Company is an  group company
www.tekkim.com.tr | tekkim@tekkim.com.tr

Tekkim Kimya Sanayi ve Ticaret Limited Şirketi

Factory: O.S.B Mavi Cadde 8.Sokak No:1 Nilüfer - BURSA | TURKEY

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

Factory: istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31

Safety Data Sheet

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

Revision Date: 23.11.2022

Version 2



Concentration ($\leq 100\%$)

SECTION 4: First aid measures

4.1 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

Wash with plenty of water. Take off contaminated clothing.

Following eye contact

Rinse immediately carefully and thoroughly with eye-bath or water..

Following ingestion

Give up to two glasses of water. Get medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water. Foam. Dry extinguishing powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

There is no restriction for this item.

5.2 Special hazards arising from the substance or mixture

Flammable. Vapors heavier than air may condense on the floor. Forms explosive mixtures with air at intense temperatures. In case of fire, dangerous flammable gases or vapors may develop.

5.3 Advice for firefighters

Special protective equipment for firefighters

Do not stay in dangerous zone without self-contained breathing apparatus. Keep a safe distance to cut off contact with skin and wear suitable 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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Don't breathe vapours, aerosols. 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. Avoid generation of dust..

6.4 Reference to other sections

Disposal: see section 13.

6.5 Additional information

Clear spills immediately.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Advices on safe handling

Observe label precautions.

Advices on general occupational hygiene



Tekkim is accredited to
ISO 9001:2015 and ISO 14001:2015

Tekkim Kimya Company is an group company
www.tekkim.com.tr | tekkim@tekkim.com.tr

Tekkim Kimya Sanayi ve Ticaret Limited Şirketi
Factory: O.S.B Mavi Cadde 8.Sokak No:1 Nilüfer - BURSA | TURKEY

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

Factory: istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31

Safety Data Sheet

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

Revision Date: 23.11.2022

Version 2



Change contaminated clothing. Wash hands after working with substance.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in dry and well-ventilated places.

7.3 Specific end uses

There are no other specific uses other than those mentioned in section 1.2.

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

More attention should be paid to technical measures against the use of personal protective equipment.

Personal protection equipment

Eye/face protection

Safety glasses

Hand protection

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 specifications of directive 89/686/EEC and the related standart EN374.

Other skin protection

Protective chlothing.

Respiratory protection

Required when dusts occur.


Recommended Filter type: P2 type filter

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties



Tekkim is accredited to
ISO 9001:2015 and ISO 14001:2015

Tekkim Kimya Company is an  group company
www.tekkim.com.tr | tekkim@tekkim.com.tr

Tekkim Kimya Sanayi ve Ticaret Limited Şirketi

Factory: O.S.B Mavi Cadde 8.Sokak No:1 Nilüfer - BURSA | TURKEY

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

Factory: istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31

Safety Data Sheet

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



Revision Date: 23.11.2022

Version 2

Physical state	Crystals
Colour	Colorless
Odour	Characteristic
Odour threshold	No information.
pH value	No information.
Melting point/freezing point	47 - 49 °C
Freezing point	No information.
Initial boiling point and boiling range	304 - 306 °C
Flash point	138 °C
Evaporation rate	No information.
Flammability (solid, gas)	No information.
Upper/lower flammability or explosive limits	No information.
Upper/lower flammability or explosive limits	No information.
Vapour pressure	1,33 hPa 105 °C
Vapour density	No information.
Density	1,1 g/cm ³ 25 °C
Relative density	No information.
Water solubility (g/l)	0,14 g/l 25°C
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	og Pow: 3,18 25 °C - Bioaccumulation is not expected.
Auto-ignition temperature	No information.
Decomposition temperature	> 320 °C
Viscosity	
Kinematic viscosity	No information.
Dynamic viscosity	No information.
Explosive properties	Not classified as explosive.
Oxidising properties	none

SECTION 10: Stability and Reactivity

10.1 Reactivity

Forms explosive mixtures with air at intense temperatures.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Violent reactions possible with strong oxidizing agents.

10.4 Conditions to avoid

Powerful heating.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

LD50 Oral - Mouse - 2.895 mg/kg

(OECD Test Guideline 401)

Acute dermal toxicity

LD50 Dermal - Rabbit - 3,535 mg/kg

(ECHA)

Specific Target Organ Toxicity – Repeated exposure

Oral - May cause damage to organs through prolonged or repeated exposure. - Liver, Kidney



Tekkim is accredited to
ISO 9001:2015 and ISO 14001:2015

Tekkim Kimya Company is an group company
www.tekkim.com.tr | tekkim@tekkim.com.tr

Tekkim Kimya Sanayi ve Ticaret Limited Şirketi
Factory: O.S.B Mavi Caddesi 8.Sokak No:1 Nilüfer - BURSA | TURKEY

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

Factory: istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31

Safety Data Sheet

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

Revision Date: 23.11.2022

Version 2



11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

flow-through test LC50 - Pimephales promelas (Carp calf) - 14.2 mg/l - 96.0 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

semi-static test EC50 - Daphnia magna (Water flea) - 6.78 mg/l - 48 h (OECD Test Guideline 202)

Toxicity to algae (algae)

static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 3,5 mg/l - 72 h (OECD Test Guideline 201)

Toxicity to bacteria

static test EC50 - activated sludge - 787 mg/l - 3 h (OECD Test Guideline 209)

12.2 Persistence and degradability

Biodegradability

Oxygenated (aerobic) - Exposure time 28 d

Result: 66 - 84 % - Easily degradable.

(OECD Test Guideline 301F)

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

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.

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. Uncleaned Treat packages as if it were the product itself ... Waste materials must be disposed of in accordance with national and local regulations.

SECTION 14: Transport information

ADR	IMDG	IATA	ADN	RID
14.1 UN number				
UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
14.2 UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Benzophenone)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Benzophenone)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Benzophenone)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Benzophenone)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Benzophenone)
14.3 Transport hazard class(es)				
9	9	9	9	9



Tekkim is accredited to ISO 9001:2015 and ISO 14001:2015

Tekkim Kimya Company is an group company
www.tekkim.com.tr | tekkim@tekkim.com.tr

Tekkim Kimya Sanayi ve Ticaret Limited Şirketi

Factory: O.S.B Mavi Cadde 8.Sokak No:1 Nilüfer - BURSA | TURKEY

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

Factory: istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31

Safety Data Sheet

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

Revision Date: 23.11.2022

Version 2



14.4 Packing group

III

III

III

III

III

14.5 Environmental hazards

YES

YES

YES

YES

YES

Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9

Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9

Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9

Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9

Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9

14.6 Special Precautions for User:

Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9

SECTION 15: Regulatory information

15.1 Safety, health and environmental legislation specific for the substance or mixture

This product safety data sheet complies with the requirements of EU Regulation 1907/2006.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been conducted for this substance.

SECTION 16: Other informations

Full text of H statements

H373 May cause damage to organs (Liver, Kidney) through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Person Who Prepared the Safety Data Sheet:

Name:

Certificate Number and Date:

Communication information:

Erhan DİLER

11.29.03 & 11 Şubat 2020

05069903686



Tekkim is accredited to
ISO 9001:2015 and ISO 14001:2015

Tekkim Kimya Company is an group company
www.tekkim.com.tr | tekkim@tekkim.com.tr

Tekkim Kimya Sanayi ve Ticaret Limited Şirketi

Factory: O.S.B Mavi Cadde 8.Sokak No:1 Nilüfer - BURSA | TURKEY

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

Factory: istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31