

# Safety Data Sheet

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

Revision Date: 15.08.2022 Version 2

# TEKKİM

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

### 1.1 Product identifier

Catalog No. TK.200760.00000  
Product Name Benzoic Acid  
Cas no 65-85-0

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

#### 1.2.1. Relevant identified uses

Pharmaceutical production. Cosmetic raw material. 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)

Skin irritation, Category 2  
Serious eye damage, Category 1  
Specific target organ toxicity - repeated exposure, Category 1, Inhalation, Lungs

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)

DANGER

Hazard Statements (SEA)

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H372 Causes damage to organs through prolonged or repeated exposure. (Lungs)

Precautionary Statements (SEA)

Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Intervention

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if fitted and easy to do. Continue rinsing.  
P314 Get medical advice/attention if you feel unwell.

## SECTION 3: Composition/information on ingredients

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



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## 3.1 Maddeler

EC No	200-618-2
Molar mass	122.12 g/mol
Cas No	65-85-0
Concentration	(<= 100 % )

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<i>General information</i>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<i>Following inhalation</i>	Remove casualty to fresh air and keep warm and at rest..
<i>Following skin contact</i>	Wash with plenty of water. Take off contaminated clothing.
<i>Following eye contact</i>	In case of contact with eyes, rinse eyelids with water for 10-15 minutes. See a doctor immediately.
<i>Following ingestion</i>	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. Heavy-than-air vapors may form on the floor surface. May form explosive mixture with air at intense temperatures. Risk of dust explosion. 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.



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## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

*Advices on safe handling*

Observe label precautions.

*Advices on general occupational hygiene*

Change contaminated clothing. Wash hands after working with substance. It is recommended to use a skin protection cream.

### 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*

Fully fitting 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: Filter P 2 (according to DIN 3181) for solid and liquid particles of harmful elements.

## SECTION 9: Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties



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Physical state	Solid
Colour	White
Odour	Characteristic
Odour threshold	No information.
pH value	2.5 - 3.5 20 °C (saturated solution)
Melting point/freezing point	121 - 123 °C
Freezing point	No information.
Initial boiling point and boiling range	249 °C 1,013 hPa
Flash point	121 °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	0.001 hPa 20 °C
Vapour density	4.21
Density	1,321 g/cm <sup>3</sup> 20 °C
Relative density	No information.
Water solubility (g/l)	2.9 g/l 25 °C
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	log Pow: 1.88 (experimental) (IUCRID) Bioaccumulation is not expected.(Source)
Auto-ignition temperature	570 °C
Decomposition temperature	No information.
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

Risk of dust explosion. Forms explosive mixtures with air at intense temperatures.

### 10.2 Chemical stability

It can sublime.

### 10.3 Possibility of hazardous reactions

There is a risk of explosion or formation of flammable gases or vapors with fluorine.  
It can react exothermically with strong oxidizing agents, strong bases, nitrites, strong reducing 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



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Acute oral toxicity  
Rat: > 2.000 mg/kg  
(Source)  
Symptoms: Nausea, vomiting, irritates mucous membranes.

Acute inhalation toxicity  
LC50 Rat: > 12.2 mg/l; 4 hours; dust/mist  
(External product safety sheet)  
Symptoms: Cough, Possible damages:, mucosal irritations

Acute dermal toxicity  
LD50 Rabbit: > 5,000 mg/kg  
(IUCLID)

Skin irritation  
Causes skin irritation.

Eye irritation  
Rabbit  
Result: Severe irritations.  
(RTECS)  
Causes serious eye damage.

Sensitivity  
Affected people may be sensitized.

Specific Target Organ Toxicity - Repeated exposure  
Causes damage to organs through prolonged or repeated exposure.  
Routes of exposure: If inhaled  
Target Organs: Lungs

## 11.2 Additional information

After taking a large amount:  
Stomach/intestinal disorders, diarrhoea.  
Handle in accordance with safety and hygiene rules.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish  
LC50 Lepomis macrochirus (Bluegill sunfish): 44.6 mg/l; 96 h  
(External product safety sheet)

Toxicity to daphnia and other aquatic invertebrates  
EC50 Daphnia magna (Water flea): 102 mg/l; 24 hours  
(Source)  
EC50 Tetrahymen pyriformis: 252 mg/l; 48 hours  
(ECOTOX Database)


Toxicity to algae (algae)  
IC50 algae: 10 - 100 mg/l; 72 hours  
(External product safety sheet)

Toxicity to bacteria  
microtox test EC50 Photobacterium phosphoreum: 17 mg/l; 30 minutes  
(Source)  
EC50 active waste: > 1,000 mg/l; 3 hours  
OECD Test Guideline OECD 209

### 12.2 Persistence and degradability



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## Biodegradation

> 71 %; 5 g

OECD Test Guideline 301D

It is easily biodegradable by itself.

>90%; 2 g

OECD Test Guideline 302B

Easily purified from water.

## 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
<b>14.1 UN number</b>				
--	--	--	--	--
<b>14.2 UN proper shipping name</b>				
It is not classified as dangerous goods.	It is not classified as dangerous goods.	It is not classified as dangerous goods.	It is not classified as dangerous goods.	It is not classified as dangerous goods.
<b>14.3 Transport hazard class(es)</b>				
--	--	--	--	--
<b>14.4 Packing group</b>				
--	--	--	--	--
<b>14.5 Environmental hazards</b>				
NO	NO	NO	NO	NO
No information available.	No information available.	No information available.	No information available.	No information available.

## 14.6 Special Precautions for User:

No information available.

## SECTION 15: Regulatory information

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



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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

H315 Causes skin irritation.

H318 Causes serious eye damage.

H372 Causes damage to organs through prolonged or repeated exposure. (Lungs)

## Person Who Prepared the Safety Data Sheet:

Name:

Certificate Number and Date:

Communication information:


Erhan DİLER

11.29.03 & 11 Şubat 2020

05069903686



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