

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.930118.00000
Product Name Benzoyl Chloride
Cas no 98-88-4

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)

Acute toxicity, Oral, Category 4
Acute toxicity, By inhalation, Category 3
Acute toxicity, Dermal, Category 4
Skin abrasion, Subcategory 1B
Serious eye damage, Category 1
Skin sensitizer, Category 1

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)

H302 + H312 Harmful if swallowed or in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 Causes an allergic skin reaction.
H331 Toxic by inhalation.

Precautionary Statements (SEA)



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Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

Intervention

P301+P312 IF SWALLOWED: Call 114 POISON CENTER or doctor/physician if you feel unwell.

P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse your skin with water/shower.

P304+P340 IF INHALED: Move victim to fresh air and keep in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if fitted and easy to do. Continue rinsing.

SECTION 3: Composition/information on ingredients

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

3.1 Maddeler

EC No	202-710-8
Molar mass	140.57 g/mol
Cas No	98-88-4
Concentration	(<= 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 to fresh air. Call a doctor. If breathing stops: apply mechanical respiration immediately, with oxygen if necessary.
Following skin contact	Wash with plenty of water. Take off contaminated clothing.
Following eye contact	In case of contact with eyes, rinse immediately with plenty of water and consult an ophthalmologist.
Following ingestion	Give up to two glasses of water. Get medical help immediately. Do not try to neutralize. Avoid vomiting (risk of perforation!).

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

Dry extinguishing powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

Water. Foam.

5.2 Special hazards arising from the substance or mixture

Carbon oxides. Hydrogen chloride gas. Flammable. In contact with water, hydrogen chloride gas is released. Fire may cause evolution of: Hydrogen chloride gas, phosgene. Heavy-than-air vapors may form on the floor surface. 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.



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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 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.

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

Pay attention to the precautions on the label. Keep the work area dry. Do not allow the product to come into contact with water. Work with the title.

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



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Hand protection

in full contact

Glove material : Viton®

Glove thickness: 0.7 mm

Absorption time: > 480 minutes

In contact with splash

Glove material : Chloroprene

Glove thickness: 0.65 mm

Absorption time: > 30 minutes

The gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resulting standard EN374.

Other skin protection

Acid-resistant protective clothing

Respiratory protection

Required when vapors/aerosols are generated.

Recommended Filter type: ABEK type filter

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Colorless
Odour	Strong smelling
Odour threshold	No information.
pH value	1,5 - 2,5 1 g/l 20 °C
Melting point/freezing point	-1 °C
Freezing point	No information.
Initial boiling point and boiling range	198 °C
Flash point	72 °C
Evaporation rate	No information.
Flammability (solid, gas)	600 °C
Upper/lower flammability or explosive limits	2,5 %(V)
Upper/lower flammability or explosive limits	27 %(V)
Vapour pressure	1 hPa 32 °C
Vapour density	4,88
Density	1,21 g/cm3 20 °C
Relative density	No information.
Water solubility (g/l)	It decomposes with water.
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	No information.
Auto-ignition temperature	No information.
Decomposition temperature	No information.

Viscosity

Kinematic viscosity	No information.
Dynamic viscosity	No information.
Explosive properties	Not classified as explosive.
Oxidising properties	No information.

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.



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10.3 Possibility of hazardous reactions

Violent reactions possible with water, alkali metals, alkaline earth metals, alkalines, amines, sulfoxides, alcohols, strong oxidizing agents.

There is a risk of explosion or formation of flammable gases or vapors with metals.

Risk of explosion with dimethyl sulfoxide, aluminum chloride, sodium azide.

10.4 Conditions to avoid

Powerful heating.

10.5 Incompatible materials

Various metals, strong oxidizing agents.

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 - Rat - female - 1,900 mg/kg

(OECD Testing Guide 401)

Acute respiratory toxicity

After inhalation - 4 h - 0.51 mg/l

Acute dermal toxicity

Dermal - 1,100.1 mg/kg

Skin corrosion/irritation

Skin - Rabbit

Abrasive - 24 h

(ECHA)

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Maximization Test - Guinea Pig

Result: positive

(OECD Testing Guide 406)

11.2 Additional information

It has cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, extreme destructive effect on eyes and skin tissues.

Handle in accordance with safety and hygiene rules.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

static test LC50 - Pimephales promelas (Carp juvenile) - 34.7 mg/l - 96 h

(OPPTS 850.1075)

Toxicity to algae (algae)

static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 85 - 110 mg/l - 72 h

(OECD Testing Guide 201)

12.2 Persistence and degradability

Biodegradability

Oxygenated (aerobic) - Exposure time 20 d

Result: 95% - Easily degradable.

(OECD Test Guide 301D)

12.3 Bioaccumulative potential



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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 1736	UN 1736	UN 1736	UN 1736	UN 1736
14.2 UN proper shipping name				
BENZOYL CHLORIDE	BENZOYL CHLORIDE	BENZOYL CHLORIDE	BENZOYL CHLORIDE	BENZOYL CHLORIDE
14.3 Transport hazard class(es)				
8	8	8	8	8
14.4 Packing group				
II	II	II	II	II
14.5 Environmental hazards				
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

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



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H317 Causes an allergic skin reaction.
H331 Toxic by inhalation.

Person Who Prepared the Safety Data Sheet:

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