

Safety Data Sheet

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



Revision date 24.10.2019

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Version

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.930118

Generic name Benzoyl chloride for Synthesis

REACH No.

CAS No. 98-88-4

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 TEKK M K MYA SAN. T C. LTD. T .

Street ORGAN ZE 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]

Acute Tox. 4

Acute Tox. 4

Acute Tox. 4

Skin Sens. 1B

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

Danger

Hazard Statements

H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.

Precautionary Statements

Prevention

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

Response

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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 present and easy to do. Continue rinsing.
P308 IF exposed or concerned:
Call a POISON CENTER/doctor/... if you feel unwell.

Storage

2.3 Other hazards

SECTION 3: Composition/information on ingredients

Substances

Formula C H COCl C H ClO (Hill)

EC No. 202-710-8

Molar mass 140,57 g/mol

<u>Characteristic</u>	<u>CAS No</u>	<u>EC No</u>	<u>Concentration</u>	<u>Classification</u>
Benzoyl chloride for Synthesis	98-88-4	202-710-8		;18:H302 + H312 + H3324:H3144:H317

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..

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Following ingestion Please give up to two glasses of water. Get immediate medical attention..

Most important symptoms and effects, both acute and delayed

Cough. Respiratory complaints. Impaired consciousness.

Indication of any immediate medical attention and special treatment needed

No information available..

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Dry extinguishing powder.

Unsuitable extinguishing media

Water. Foam.

5.2 Special hazards arising from the substance or mixture

Flammable. It can create explosive mixtures with air on intense heating. Heavy vapors in the air at the ground surface may occur.. In case of fire hazardous combustion gases or vapors may occur.. Hydrogen chloride (HCl). Phosgene.

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus..

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.

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.

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Measures to prevent fire

Advices on general occupational hygiene

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7.2 Conditions for safe storage, including any incompatibilities

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 vapours are generated

Recommented filter type :

filter ABEK

Environmental exposure controls

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

SECTION 9: Physical and chemical Properties

Information on basic physical and chemical properties

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Physical state	Liquid:
Colour	colourless
Odour	characteristic
Odour threshold	no information
pH value	2.1 g/l 20 °C
Melting point/freezing point	-0,6 °C
Freezing point	no information
Initial boiling point and boiling range	197,2 °C at 1.013 hPa
Flash point	93 °C Metod :DIN 51755 Part 1.
Evaporation rate	no information
Flammability (solid, gas)	no information °C
Upper/lower flammability or explosive limits	2,5 %(V)
Upper/lower flammability or explosive limits	27 %(V)
Vapour pressure	133,3 hPa 128 °C °C
Vapour density	4,88
Density	1,21 g/cm ³ 20 °C °C
Relative density	no information
Water solubility (g/l)	at 20 ° C decomposition °C
Fat solubility (g/l)	no information °C
Partition coefficient: n-octanol/water	no information
Auto-ignition temperature	600 °C
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

Section 10.3 to see.

10.2 Chemical stability

No exothermic decomposition at temperatures up to 300 °C.. Can polymerise exothermically if heated, exposed to air, sunlight or by addition of free radical initiators..

10.3 Possibility of hazardous reactions

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Violent reactions possible with: Water, Alkaline metals, Alkaline earth metals, Alkalines, Amines, sulfoxides, Alcohols, Strong oxidizing agents
Risk of explosion or formation of flammable gases or vapors with: Metals
There is a risk of explosion with: dimethyl sulfoxide, aluminum chloride,

10.4 Conditions to avoid

..

10.5 Incompatible materials

Various metals.

10.6 Hazardous decomposition products

No known hazardous decomposition products..

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

SECTION 12: Ecological information

12.1 Toxicity

LC50 Pimephales promelas (Carp fry): 34.1 mg / l; 96 h (IUCLID)
Toxicity to bacteria
EC50 active waste:> 100 mg / l; 180 minutes
OECD Test Guideline OECD 209

12.2 Persistence and degradability

Self-soluble in nature

12.3 Bioaccumulative potential

No information

12.4 Mobility in soil

No information

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

Atyk Maddeler. 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.

SECTION 14: Transport information

Land transport (ADR/RID)

UN number UN 1736
UN proper shipping name BENZOYL CHLORIDE
Transport hazard class(es) 8
Packing group II
Environmental hazards
Special precautions for yes
Tunnel restriction code E

Inland waterway transport (ADN)

Limited quantity (LQ)

Special Provisions

Category

Air transport (ICAO-TI / IATA-DGR)

UN number UN 1736
UN proper shipping name BENZOYL CHLORIDE
Transport hazard class(es) 8
Packing group II
Environmental hazards
Special precautions for no

Sea transport (IMDG)

UN number UN 1736
UN proper shipping name BENZOYL CHLORIDE
Transport hazard class(es) 8
Packing group II
Environmental hazards
Special precautions for yes

SECTION 15: Regulatory information

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

Storage class : 8A

Chemical Safety Assessment

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SECTION 16: Other information

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

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P308 IF exposed or concerned:

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Prepared the Document

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