

Safety Data Sheet

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



Revision date 28.10.2019

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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.930127
Generic name Chlorobenzene Analytic, ACS Grade
REACH No.
CAS No. 108-90-7

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. ŞTİ.
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]

Flam. Liq. 3

Acute Tox. 4
Skin Irrit. 2

Aquatic Chronic 2

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

Warning

Hazard Statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H332 Harmful if inhaled.
Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 Avoid release to the environment.

Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

Storage

2.3 Other hazards

SECTION 3: Composition/information on ingredients

Substances

Formula C H Cl C H Cl (Hill)

EC No. 203-628-5

Molar mass 112,56 g/mol

<u>Characteristic</u>	<u>CAS No</u>	<u>EC No</u>	<u>Concentration</u>	<u>Classification</u>
Chlorobenzene Analytic, ACS Grade	108-90-7	203-628-5		;4:H2264:H3154:H3324: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..

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Most important symptoms and effects, both acute and delayed

Allergic reactions. Headache. Vomiting. Anaesthetic state.

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

Water spray jet.

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated:.. Flammable. It can create explosive mixtures with air on intense heating. 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. Personal protection equipment: see section 8.

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.

Measures to prevent fire

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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

Chlorbenzol (108-90-7)
TR MAK Acceptable maximum
Concentration (MAK)
75 mbp
350 mg / m3
TR OEL Another time unless specified, 15 for a minute
must not be exceeded upper limit of exposure
Value (STEL):
15 mbp
70 mg / m3
8 hours set
for reference time
measured or calculated
Time weigh

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

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Respiratory protection

Required when vapours are generated
Recommended filter type : Filter A (according to DIN 3181)

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

Physical state	Liquid
Colour	colourless
Odour	characteristic
Odour threshold	0,09 - 59,8 mbp
pH value	20 °C 0 g/l
Melting point/freezing point	-45 °C
Freezing point	no information
Initial boiling point and boiling range	132 °C at 1.013 hPa
Flash point	27 °C Metod :DIN 51755 Part 1.
Evaporation rate	no information
Flammability (solid, gas)	no information °C
Upper/lower flammability or explosive limits	1,3 %(V)
Upper/lower flammability or explosive limits	11 %(V)
Vapour pressure	12 hPa 20 °C
Vapour density	3,9
Density	1,11 g/cm ³ 20 °C
Relative density	no information
Water solubility (g/l)	0,207 g/l at 20 °C °C
Fat solubility (g/l)	no information °C
Partition coefficient: n-octanol/water	log Pow: 2.84 (experimental) (Lit.) Bioaccumulation is not expected.
Auto-ignition temperature	590 °C
Decomposition temperature	no information

Viscosity

Kinematic viscosity	no information
Dynamic viscosity	0,8 mPa.s at 20 °C
Explosive properties	Not classified as explosive

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Oxidising properties none

SECTION 10: Stability and Reactivity

10.1 Reactivity

Vapours may form explosive mixtures with air.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Exothermic reaction with:

Alkali metals, Alkali earth metals, Oxidizing agents, dimethyl sulfoxide, Nitric acid

There is a risk of explosion with:

sodium, thoroughly dispersed.

PHOSPHORUS TRICHLORIDE with sodium

10.4 Conditions to avoid

.

10.5 Incompatible materials

Rubber, various plastics.

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 Salmo: 10.4 mg / l; 96 h

OECD Test Guideline 203

12.2 Persistence and degradability

Biodegradation

15%; 28 g

OECD Test Guideline 301C

Not readily soluble in nature.

12.3 Bioaccumulative potential

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Partition coefficient (n-octanol / water)
log Pow: 2.84
(experimental)
(Lit.) Bioaccumulation is not expected.
bioaccumulation
Bioconcentration factor (BCF): 40
(External product safety form)

12.4 Mobility in soil

Distribution in environmental environments
Adsorpsiyu / Soil
log Koc: 2,35
(experimental)
Moderately mobile in soil

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. It was to proceed as their products uncleaned packaging. Atyk Maddeler.

SECTION 14: Transport information

Land transport (ADR/RID)

UN number	UN 1134
UN proper shipping name	CHLOROBENZENE
Transport hazard class(es)	3
Packing group	III
Environmental hazards	yes
Special precautions for	yes
Tunnel restriction code	D/E

Inland waterway transport (ADN)

Limited quantity (LQ)

Special Provisions

Category

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Air transport (ICAO-TI / IATA-DGR)

UN number UN 1134
UN proper shipping name CHLORO BENZENE
Transport hazard class(es) 3
Packing group III
Environmental hazards yes
Special precautions for no

Sea transport (IMDG)

UN number UN 1134
UN proper shipping name CHLORO BENZENE
Transport hazard class(es) 3
Packing group III
Environmental hazards yes
Special precautions for yes

SECTION 15: Regulatory information

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

Storage class : 3

Chemical Safety Assessment

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SECTION 16: Other information

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

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H332 Harmful if inhaled.
Toxic to aquatic life with long lasting effects.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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P302+P352 IF ON SKIN: Wash with plenty of soap and water.

Prepared the Document

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