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



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

1.1 Product identifier

TK.930127.00000 Catalog No. **Product Name** Chlorobenzene Cas no 108-90-7

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

TEKKİM KİMYA SAN. TİC. LTD. ŞTİ. Name

ORGANIZE SAN. BÖL. MAVİ CAD. 8. SOK. NO :1 NİLÜFER / BURSA Street

0224 243 21 71 Telephone

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)

Flammable liquids, Category 3

Acute toxicity, By inhalation, Category 4

Skin irritation, Category 2

Long (chronic) aquatic hazard, Category 2

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)

H226 Flammable liquid and vapour.

H315 Causes skin irritation. H332 Harmful by inhalation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements (SEA)







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Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. -No smoking.

P233 Keep container tightly closed.

P240 Ground/connect container or receiving equipment.

P273 Avoid release to the environment.

Intervention

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

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

SECTION 3: Composition/information on ingredients

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

3.1 Maddeler

 EC No
 203-628-5

 Molar mass
 112.56 g/mol

 Cas No
 108-90-7

 Concentration
 (<= 100 %)</td>

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

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

Carbon oxides. Hydrogen chloride gas. Flammable. 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 elevated 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

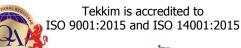
Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures







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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 discharge into sewer. Risk of explosion.

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 a dry and well-ventilated place. Keep away from heat and anything that can cause ignition.

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

Chlorobenzene (108-90-7)

TWA (8 Hours) 5 ppm

23 mg/m3

STEL (15 Min.) 15 ppm

70 mg/m3

8.2 Exposure controls

Appropriate engineering controls

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

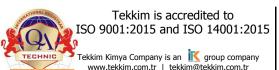
Personal protection equipment

Eye/face protection

Safety glasses

Hand protection





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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: Nitrile rubber Glove thickness: 0.4 mm Absorption time: > 10 minutes

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

No information.

No information.

No information.

12 hPa 20 °C

No information.

No information.

0,207 g/l 20 °C

No information.

No information.

No information.

expected.

log Pow: 2,84 20 °C - Bioaccumulation is not

1,11 g/cm3 20 °C

27 °C

1,3 %(V) 11 %(V)

132 °C 1.013 hPa

EN374.

Other skin protection

Flame reterdant antistatic protective chlothing.

Respiratory protection

Required when vapors/aerosols are generated.

Recommended Filter type: Filter A (according to DIN 3181), for vapors of organic compounds.

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Physical state Colour Colorless Odour Characteristic Odour threshold No information. pH value No information. No information.

Melting point/freezing point

Freezing point

Initial boiling point and boiling range

Flash point Evaporation rate Flammability (solid, gas)

Upper/lower flammability or explosive limits Upper/lower flammability or explosive limits

Vapour pressure Vapour density Density

Relative density Water solubility (g/l) Fat solubility (g/l)

Partition coefficient: n-octanol/water

Auto-ignition temperature

Decomposition temperature

Viscosity

Kinematic viscosity No information. No information. Dynamic viscosity

Not classified as explosive. Explosive properties

Oxidising properties none

SECTION 10: Stability and Reactivity

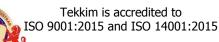
10.1 Reactivity

Vapor/air mixtures are explosive if overheated.

10.2 Chemical stability







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The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

It can give exothermic reaction with alkali metals, alkaline earth metals, oxidizing agents, dimethyl sulfoxide, nitric acid.

10.4 Conditions to avoid

In case of warming.

10.5 Incompatible materials

Rubber.

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 - male and female - > 2.000 mg/kg (OECD Testing Guide 401)

Acute respiratory toxicity LC50 Inhalation - Rat - male - 4 h - 15.57 mg/l (OECD Testing Guide 403)

Skin corrosion/irritation

Skin - Rabbit

Result: Skin irritation - 4 h

(OECD Testing Guide 404) 11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

static test LC50 - Lepomis macrochirus (Bluegill sunfish) - 4.5 mg/l - 96 h (ECHA)

Toxicity to daphnia and other aquatic invertebrates static test EC50 - Daphnia magna (Water flea) - 26 mg/l - 48 h (OECD Testing Guide 202)

Toxicity to algae (algae)

static test EC10 - Desmodesmus subspicatus (green algae) - 5.8 mg/l - 72 h (OECD Testing Guide 201)

Toxicity to bacteria

static test EC50 - activated sludge - 140 mg/l - 30 min

(OECD Testing Guide 209)

12.2 Persistence and degradability

Biodegradability

oxygenated (aerobic) - Exposure time 28 d

Result: 15 % - Not easily degraded.

(OECD Test Guide 301F)

12.3 Bioaccumulative potential

Bioaccumulation

Cyprinus carpio (Carp) - 49 d 25 °C(Chlorbenzole)

Bioconcentration factor (BCF): 3.9 - 23 (OECD Test Guide 305C)

12.4 Mobility in soil

No information available.







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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 1134	UN 1134	UN 1134	UN 1134	UN 1134	
14.2 UN proper shipping name					
CHLOROBENZENE	CHLOROBENZENE	CHLOROBENZENE	CHLOROBENZENE	CHLOROBENZENE	

14.3 Transport hazard class(es)

3 3 3







14.4 Packing group

III III III III III

14.5 Environmental hazards

YES YES YES YES YES YES

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

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H332 Harmful by inhalation.

H411 Toxic to aquatic life with long lasting effects.







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Person Who Prepared the Safety Data Sheet:

Name: Erhan DİLER

Certificate Number and Date: 11.29.03 & 11 Şubat 2020 Communication information:

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