

# Safety Data Sheet

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

Revision Date: 24.11.2022 Version 2

# TEKKİM

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

### 1.1 Product identifier

Catalog No. TK.930130.00000  
Product Name Dichlorobenzene  
Cas no 95-50-1

### 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)

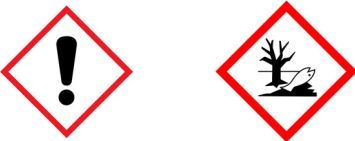
Acute toxicity, Oral, Category 4  
Skin irritation, Category 2  
Eye irritation, Category 2  
Skin sensitization, Category 1  
Specific Target Organ Toxicity – Single exposure, Category 3, Respiratory system  
Acute aquatic toxicity, Category 1  
Chronic aquatic toxicity, Category 1

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)

WARNING


Hazard Statements (SEA)

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 Causes an allergic skin reaction.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements (SEA)



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## Prevention

P273 Avoid release to the environment.

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.

## SECTION 3: Composition/information on ingredients

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

### 3.1 Maddeler

EC No	202-425-9
Molar mass	147 g/mol
Cas No	95-50-1
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 casualty to fresh air and keep warm and at rest..

#### 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

After swallowing: caution if victim vomits. Risk of aspiration! Keep airways free. Pulmonary failure possible after aspiration of vomit. Call a physician 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

Laxative : Sodium sulfate (1 tablespoon 250 ml of water..)

## 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. Forms explosive mixtures with air at intense temperatures. In case of fire, dangerous flammable gases or vapors may develop. Fire may cause evolution of: Hydrogen chloride gas.

### 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 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.

*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*

Do not use light weight metal containers. 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*

Safety glasses

*Hand protection*

Hand protection

in full contact

Glove material : Viton (R)

Glove thickness: 0.70 mm

Absorption time: > 480 minutes

In contact with splash

Glove material : Nitrile rubber

Glove thickness: 0.4 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*



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Flame retardant antistatic protective clothing.

## 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	Liquid
Colour	Colorless
Odour	Characteristic
Odour threshold	No information.
pH value	No information.
Melting point/freezing point	-18 - -17 °C
Freezing point	No information.
Initial boiling point and boiling range	178 - 180 °C
Flash point	66 °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	1,6 hPa 20 °C
Vapour density	5,1
Density	1,31 g/cm <sup>3</sup> 20 °C
Relative density	No information.
Water solubility (g/l)	0,13 g/l 20 °C
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	No information.
Auto-ignition temperature	640 °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

Forms explosive mixtures with air at intense temperatures.

### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3 Possibility of hazardous reactions

Violent reactions possible with strong oxidizing agents, alkali metals, alkaline earth metals.

### 10.4 Conditions to avoid

Powerful heating.

### 10.5 Incompatible materials

Aluminum, rubber, various plastics.

### 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  
LD50 Rat: 500 mg/kg  
(RTECS)

Acute dermal toxicity  
LD50 Rabbit: > 10,000 mg/kg  
(RTECS)

Skin irritation  
Rabbit  
Result: irritations  
OECD Test Guideline 404

Eye irritation  
Causes serious eye irritation.

Specific Target Organ Toxicity (single exposure)  
May cause respiratory tract irritation.

## 11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish  
flow-through test LC50 Oncorhynchus mykiss (Rainbow trout): 1.52 mg/l; 96 h  
US-EPA

Toxicity to daphnia and other aquatic invertebrates  
static test EC50 Ceriodaphnia dubia (dappie): 0.66 mg/l; 48 hours  
US-EPA

Toxicity to algae (algae)  
Growth rate EC50 Pseudokirchneriella subcapitata (green algae): 2.2 mg/l; 96 h  
US-EPA

Toxicity to bacteria  
EC5 Pseudomonas putida: 15 mg/l; 16 h  
(IUCLID)

### 12.2 Persistence and degradability

Biodegradation  
0%; 28 g; aerobic ( aerobic ) Biochemical oxygen demand  
OECD Test Guideline 301 C  
It is not readily biodegradable by itself.

### 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



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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> UN 1591	UN 1591	UN 1591	UN 1591	UN 1591
<b>14.2 UN proper shipping name</b> o-DICHLOROBEZENE	o-DICHLOROBEZENE	o-DICHLOROBEZENE	o-DICHLOROBEZENE	o-DICHLOROBEZENE

### 14.3 Transport hazard class(es)

6.1	6.1	6.1	6.1	6.1
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### 14.4 Packing group

III	III	III	III	III
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### 14.5 Environmental hazards

NO	NO	NO	NO	NO
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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


- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 Causes an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H410 Very toxic to aquatic life with long lasting effects.

Person Who Prepared the Safety Data Sheet:

Name: Erhan DİLER  
Certificate Number and Date: 11.29.03 & 11 Şubat 2020  
Communication information: 05069903686



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