

Safety Data Sheet

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



Revision date 30.10.2019

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Version 2

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.930130
Generic name 1,2-Dichlorobenzene
REACH No.
CAS No. 95-50-1

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Use as laboratory reagent. Laboratory chemicals.
Use of the substance / mixture
Uses advised against

Details of the supplier of the safety data sheet

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Street ORGANİZE SAN. BÖL. M
Telephone 0224 243 21 71
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SECTION 2: Hazards identification

Classification of the substance or mixture

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

Acute Tox. 4
Skin corrosion/irritation
Skin Irrit. 2
Eye Irrit. 2
Specific target organ toxicity (single exposure)

Full text of R-, H- and EUH-phrases: see section 16.

Safety Data Sheet

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

Article No (user) TK.930130
Generic name 1,2-Dichlorobenzene

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Signal word

Warning

Hazard Statements

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

Precautionary Statements

Prevention

P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

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.

Storage

2.3 Other hazards

SECTION 3: Composition/information on ingredients

Substances

Formula 1,2-(Cl)2C6H4 C6H4Cl2 (Hill)
EC No. 202-425-9
Molar mass 147 g/mol

Characteristic	CAS No	EC No	Concentration	Classification
1,2-Dichlorobenzene	95-50-1	202-425-9	(<= 100 %)	;4:H3024:H3154:H3174:H3194:H3354:H4004:H410

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..

Safety Data Sheet

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

Article No (user) TK.930130
Generic name 1,2-Dichlorobenzene

Following eye contact	In case of contact with eyes, rinse immediately thoroughly with plenty of edible oil and consult an ophthalmologist..
Following ingestion	Give sodium sulfate as laxative (1 tablespoon in 1 glas of water) with plenty of activated coal..

Most important symptoms and effects, both acute and delayed

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

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

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

Safety Data Sheet

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

Article No (user) TK.930130
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Advices on safe handling

Observe label precautions. Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

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

TR MAK Acceptable maximum Concentration (MAK)
50 mbp
300 mg / m³
TR OEL Another time unless specified, 15 for a minute must not be exceeded upper limit of exposure Value (STEL):
50 mbp
306 mg / m³
8 hours set for reference time measured or calculated Time weighted average (TWA):
20

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

Safety Data Sheet

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

Article No (user) TK.930130
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Full contact:

Material of gloves: Viton (R)
Glove thickness: 0,70 mm
Puncture time: 480 minutes

Contact with splash:

Glove material: Nitrile rubber
Glove thickness: 0,40 mm
Puncture time: 30 minutes

The protective gloves to be used comply with the specifications of EC directive 89/686 / EEC

Other skin protection

Protective clothing

Respiratory protection

required when vapors / aerosols are formed.

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	light yellow
Odour	characteristic
Odour threshold	no information
pH value	no information 0 g/l
Melting point/freezing point	-17 °C
Freezing point	no information
Initial boiling point and boiling range	180 °C nin 1.013 hPa
Flash point	66 °C Metod :DIN 51758 (08/2002)
Evaporation rate	no information
Flammability (solid, gas)	no information °C
Upper/lower flammability or explosive limits	2,2 %(V)
Upper/lower flammability or explosive limits	12 %(V)
Vapour pressure	1,33 hPa 20 °C
Vapour density	5,1
Density	1,31 g/cm3 20 °C
Relative density	no information
Water solubility (g/l)	0,13 g/l at 20 °C
Fat solubility (g/l)	no information °C

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Partition coefficient: n-octanol/water	log Pow: 3.43 (25 ° C) OECD Test Guideline 123 Bioaccumulation is not expected.
Auto-ignition temperature	640 °C
Decomposition temperature	no information

Viscosity

Kinematic viscosity	1,32 mPa.s nin 20 °C
Dynamic viscosity	no information
Explosive properties	Not classified as explosive.
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

There may be severe reactions with:
Strong oxidizing agents, Alkaline metals, Alkaline earth metals
Aluminum, Light metals

10.4 Conditions to avoid

.

10.5 Incompatible materials

Aluminium. 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
LD50 Rat: 500 mg / kg
(RTECS)
Symptoms: Mucous membranes in the mouth, throat, esophagus and gastrointestinal tract
Irritation., Risk of inhalation by vomiting., Inhalation may cause pulmonary edema and pneumonitis.

11.2 Additional information

After absorption of large quantities:
CNS disorders, psychoses, Headache, Dizziness, narcosis
After long-term exposure to the chemical:
Toxic effect on:
Liver, Kidney
Other dangerous properties cannot be excluded.
Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1 Toxicity

Safety Data Sheet

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Toxicity to fish
flow-through test LC50 Oncorhynchus mykiss: 1.52 mg / l; 96 h
Analytical observation: yes
US-EPA
Toxicity to daphnia and other aquatic invertebrates
static test EC50 Ceriodaphnia dubia (water flea): 0.66 mg / l; 48 h
Analytical observation: yes
US-EPA

12.2 Persistence and degradability

Biodegradation
0%; 28 g; aerobic Biochemical oxygen demand
OECD Test Guideline 301 C
Not readily soluble in nature.
58%; 20 g
OECD Test Guideline 301D
Not readily soluble in nature.

12.3 Bioaccumulative potential

Partition coefficient (n-octanol / water)
log Pow: 3.43 (25 ° C)
OECD Test Guideline 123
Bioaccumulation is not expected

12.4 Mobility in soil

Distribution in environmental environments
Adsorption / Soil
log Koc: 2,58
(experimental)
It is moderately mobile in soil (Source).

12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB

12.6 Other adverse effects

Henry constant
194 Pa * m³ / mol
Method: (experimental)
Preferably air dispersal. (Source)
Disposal should be prevented.

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. Atık Maddeler.

SECTION 14: Transport information

Safety Data Sheet

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

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Land transport (ADR/RID)

UN number UN 1591
UN proper shipping name 1,2-Dichlorobenzene
Transport hazard class(es) 6.1
Packing group III
Environmental hazards yes
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 1591
UN proper shipping name 1,2-Dichlorobenzene
Transport hazard class(es) 6.1
Packing group III
Environmental hazards yes
Special precautions for no

Sea transport (IMDG)

UN number UN 1591
UN proper shipping name 1,2-Dichlorobenzene
Transport hazard class(es) 6.1
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 : 6.1C

Chemical Safety Assessment

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SECTION 16: Other information

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Prepared the Document

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