

# Safety Data Sheet

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

Revision Date: 08.09.2022 Version 2

# TEKKİM

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

### 1.1 Product identifier

Catalog No. TK.201800.00000  
Product Name Hydroquinone  
Cas no 123-31-9

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

#### 1.2.1. Relevant identified uses

Synthesis chemical.

#### 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  
Serious eye damage, Category 1  
Skin sensitization, Category 1  
Germ cell mutagenicity, Category 2  
Carcinogenicity, Category 2  
Short term (acute) aquatic hazard, Category 1  
Long (chronic) aquatic hazard, 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)

DANGER


Hazard Statements (SEA)

H302 Harmful if swallowed.  
H317 Causes an allergic skin reaction.  
H318 Causes serious eye damage.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements (SEA)



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**Factory:** O.S.B Mavi Caddesi 8.Sokak No:1 Nilüfer - BURSA | TURKEY

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## Prevention

P273 Avoid release to the environment.

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

## Intervention

P301+P312 IF SWALLOWED: Call 114 POISON CENTER or doctor/physician if you feel unwell.

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.

P308+P313 IF exposed and concerned: Get medical advice/attention.

## SECTION 3: Composition/information on ingredients

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

### 3.1 Maddeler

EC No	204-617-8
Molar mass	110.11 g/mol
Cas No	123-31-9
Concentration	(<= 100 % )

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<i>General information</i>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<i>Following inhalation</i>	Remove casualty to fresh air and keep warm and at rest..
<i>Following skin contact</i>	Wash with plenty of water. Take off contaminated clothing.
<i>Following eye contact</i>	In case of contact with eyes, rinse immediately with plenty of water and consult an ophthalmologist.
<i>Following ingestion</i>	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. 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.

### 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. Avoid generation of dust..

## 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. Work with the title. Do not inhale the substance.

*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*

Protect from light. 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*

Fully fitting safety glasses

*Hand protection*

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 specifications of directive 89/686/EEC and the related standart EN374.

*Other skin protection*



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Protective clothing.

*Respiratory protection*

Required when dusts occur.

Recommended Filter type: Filter A-(P2)

## SECTION 9: Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical state	Solid
Colour	White
Odour	No information.
Odour threshold	No information.
pH value	3,0 - 4,0 70 g/l
Melting point/freezing point	171 °C
Freezing point	No information.
Initial boiling point and boiling range	287 °C 1.013 hPa
Flash point	165 °C 1.013 hPa
Evaporation rate	No information.
Flammability (solid, gas)	515 °C 1.013 hPa
Upper/lower flammability or explosive limits	No information.
Upper/lower flammability or explosive limits	No information.
Vapour pressure	1 hPa 130 °C
Vapour density	3,80
Density	1,332 g/cm <sup>3</sup> 20 °C
Relative density	No information.
Water solubility (g/l)	72 g/l 25 °C
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	log Pow: 0,59
Auto-ignition temperature	No information.
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

Risk of dust explosion. 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

Increased reactivity with aluminum.

There is a risk of explosion with oxygen.

Strong oxidizing agents react exothermically with alkalines.

### 10.4 Conditions to avoid

Powerful heating.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

No information available.



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## 11.2 Additional information

Absorption into the body causes the formation of methemoglobin, which, if it reaches sufficient concentration, causes cyanosis. It may take 2 to 4 hours or longer for symptoms to appear. Handle in accordance with safety and hygiene rules.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 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





Harmful mixtures may form with water. It is dangerous for drinking water supplies. Discharge into the environment 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. 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 3077	UN 3077	UN 3077	UN 3077	UN 3077
<b>14.2 UN proper shipping name</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Hydroquinone), MARINE POLLUTANT,	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Hydroquinone), MARINE POLLUTANT,	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Hydroquinone), MARINE POLLUTANT,	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Hydroquinone), MARINE POLLUTANT,	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.(Contains: Hydroquinone), MARINE POLLUTANT,
<b>14.3 Transport hazard class(es)</b> 9	9	9	9	9
				
<b>14.4 Packing group</b> III	III	III	III	III
<b>14.5 Environmental hazards</b> YES	YES	YES	YES	YES
Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9	Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9	Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9	Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9	Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9



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## 14.6 Special Precautions for User:

Packages less than 5 kg/l or equivalent, non-hazardous goods of Class 9

## 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.
- H317 Causes an allergic skin reaction.
- H318 Causes serious eye damage.
- H341 Suspected of causing genetic defects.
- H351 Suspected of causing cancer.
- 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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