

# Safety Data Sheet

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

Revision Date: 04.08.2022 Version 2

# TEKKİM

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

### 1.1 Product identifier

Catalog No. TK.030110.00000  
Product Name Zinc Oxide  
Cas no 1314-13-2

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

#### 1.2.1. Relevant identified uses

Industrial uses. Scientific research and development. Use as 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)

Aquatic Acute 1  
Aquatic Chronic 1

Full text of R-, H- and EUH-phrases: 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)

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements (SEA)

Prevention

P273 Avoid release to the environment.

## SECTION 3: Composition/information on ingredients

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

### 3.1 Maddeler

EC No 215-222-5  
Molar mass 81.37 g/mol  
Cas No 1314-13-2  
Concentration (<= 100 % )

## SECTION 4: First aid measures

### 4.1 Description of first aid measures



Tekkim is accredited to  
ISO 9001:2015 and ISO 14001:2015

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**Tekkim Kimya Sanayi ve Ticaret Limited Şirketi**

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## General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

## Following inhalation

Provide fresh air..

## 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

Please give up to two glasses of water. Get immediate medical attention.

## 4.2 Most important symptoms and effects, both acute and delayed

Gastrointestinal complaints.

## 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

Use extinguishing measures appropriate to the environment.

#### Unsuitable extinguishing media

There is no restriction for this item.

### 5.2 Special hazards arising from the substance or mixture

Not flammable.. Ambient fire may liberate hazardous vapors..

### 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 dust. 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

Observe label precautions.

#### Advices on general occupational hygiene

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage conditions



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Keep container tightly closed in a dry and well-ventilated place.

## 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

Zinc Oxide (1314-13-2)

TR MAK Acceptable maximum concentration 5 mg / m3

### 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

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

Protective chlothing.

##### Respiratory protection

Recommended Filter type: P 2 Filter for solid and liquid particles of harmful elements (According to DIN 3181)

## SECTION 9: Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties



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Physical state	Solid
Colour	White
Odour	Odorless
Odour threshold	No information.
pH value	6,0 - 7,0
Melting point/freezing point	> 1000 °C
Freezing point	No information.
Initial boiling point and boiling range	No information.
Flash point	No information.
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	No information.
Vapour density	No information.
Density	No information.
Relative density	5,68
Water solubility (g/l)	0,029 g/l 20 °C
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	No information.
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

Section 10.3 to see.

### 10.2 Chemical stability

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

### 10.3 Possibility of hazardous reactions

May react violently with hydrogen peroxide and magnesium.

### 10.4 Conditions to avoid

No information available.

### 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



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UN 3077

UN 3077

UN 3077

UN 3077

UN 3077

## 14.2 UN proper shipping name

ENVIRONMENTALLY  
HAZARDOUS  
SUBSTANCE,SOLID,  
N.O.S.(Contains: Zinc Oxide),  
MARINE POLLUTANT

ENVIRONMENTALLY  
HAZARDOUS  
SUBSTANCE,SOLID,  
N.O.S.(Contains: Zinc Oxide),  
MARINE POLLUTANT

ENVIRONMENTALLY  
HAZARDOUS  
SUBSTANCE,SOLID,  
N.O.S.(Contains: Zinc Oxide),  
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ENVIRONMENTALLY  
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ENVIRONMENTALLY  
HAZARDOUS  
SUBSTANCE,SOLID,  
N.O.S.(Contains: Zinc  
Oxide), MARINE  
POLLUTANT

## 14.3 Transport hazard class(es)

9

9

9

9

9



## 14.4 Packing group

III

III

III

III

III

## 14.5 Environmental hazards

YES

YES

YES

YES

YES

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

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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

## 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

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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