

# Safety Data Sheet

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

Revision Date: 05.08.2022 Version 2

# TEKKİM

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

### 1.1 Product identifier

Catalog No. TK.140350.00000  
Product Name Oxalic Acid Dihydrate  
Cas no 6153-56-6

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

#### 1.2.1. Relevant identified 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)

Acute toxicity, Oral, Category 4  
Acute toxicity, Dermal, Category 4  
Serious eye damage, 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)

H318 Causes serious eye damage.  
H302 + H312 Harmful if swallowed or in contact with skin.

Precautionary Statements (SEA)

Prevention

P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
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.

## SECTION 3: Composition/information on ingredients



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## 3.1 Maddeler

EC No	205-634-3
Molar mass	126.07 g/mol
Cas No	6153-56-6
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>	Provide fresh air..
<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

Flammable. Heavy-than-air vapors may form on the floor surface. May form explosive mixture 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

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.



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## 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.

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

*Storage conditions*

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

Oxalic Acid dihydrate (6153-56-6)

TR OEL 8 hours determined for reference time measured or calculated time weighted average (TWA): 1 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*

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*

Protective chlothing.

*Respiratory protection*

Required when dusts occur.


Recommended Filter type: Filter P 2 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	Odourless
Odour threshold	Not applicable.
pH value	about 1,5 10 g/l 20 °C
Melting point/freezing point	98 - 100 °C
Freezing point	No information.
Initial boiling point and boiling range	149 - 160 °C 1.013 hPa
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	0,000312 hPa 25 °C
Vapour density	No information.
Density	1,65 g/cm <sup>3</sup> 20 °C
Relative density	No information
Water solubility (g/l)	> 100 g/l 25 °C
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	log Pow: -1.7 (23 °C) OECD Test Guideline 107
Auto-ignition temperature	Bioaccumulation is not expected.
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

Vapors may form explosive mixture with air. There is a risk of dust explosion.

### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3 Possibility of hazardous reactions

Risk of explosion with chlorates, sodium hypochlorite, strong oxidizing agents, silver, salts of oxyhalogenic acids. Bases can react exothermically with ammonia, mercury.

### 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



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Acute oral toxicity  
LD50 Rat: 375 mg / kg  
(IUCLID)

Symptoms: Irritation of mucous membranes in the mouth, throat, esophagus and gastrointestinal tract.

Acute inhalation toxicity  
Symptoms: Possible damages ;, mucosal irritations

Acute dermal toxicity  
Acute toxicity estimate: 1,100.1 mg / kg  
Expert decision

Eye irritation  
Rabbit  
Result: Irreversible effects on the eyes.  
OECD Test Guideline 405  
Causes serious eye damage.

## 11.2 Additional information

Ingestion may cause effects such as:, Nausea, vomiting, local irritation  
Inhalation may cause the following symptoms: Cough, shortness of breath may damage the kidneys.  
After absorption: agitation, spasms, nausea, vomiting, poor functioning of the circulatory system.  
Handle in accordance with safety and hygiene rules.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish  
Static test LC50 *Leuciscus idus* (Golden orfe): 160 mg / l; 48 hrs  
(IUCLID)

Toxicity to daphnia and other aquatic invertebrates  
*Daphnia magna* (Water flea): 162,2 mg / l; 48 hrs  
Analytical monitoring: yes  
OECD Test Guideline 202

### 12.2 Persistence and degradability

Biodegradation  
89%; 20 g; aerobic  
(ECHA)  
Readily biodegradable.

### 12.3 Bioaccumulative potential

Partition coefficient (n-octanol / water)  
log Pow: -1.7 (23 ° C)  
OECD Test Guideline 107  
Bioaccumulation is not expected.

### 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

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



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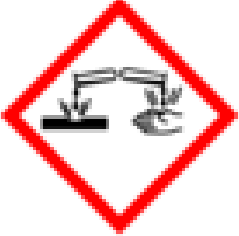

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ADR	IMDG	IATA	ADN	RID
<b>14.1 UN number</b> --	--	--	--	--
<b>14.2 UN proper shipping name</b> It is not classified as dangerous goods.	It is not classified as dangerous goods.	It is not classified as dangerous goods.	It is not classified as dangerous goods.	It is not classified as dangerous goods.
<b>14.3 Transport hazard class(es)</b> --	--	--	--	--
				
<b>14.4 Packing group</b> --	--	--	--	--
<b>14.5 Environmental hazards</b> NO	NO	NO	NO	NO
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

H318 Causes serious eye damage.

H302 + H312 Harmful if swallowed or in contact with skin.

## Person Who Prepared the Safety Data Sheet:

Name:

Certificate Number and Date:

Communication information:


Erhan DİLER

11.29.03 & 11 Şubat 2020

05069903686



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