

# Safety Data Sheet

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

Revision Date: 17.08.2022 Version 2

# TEKKİM

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

### 1.1 Product identifier

Catalog No. TK.800600.00000  
Product Name Propanediol (Monopropylene)  
Cas no 57-55-6

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

#### 1.2.1. Relevant identified uses

Industrial use. 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)

Not a dangerous substance or mixture according to Regulation (EC) No 1272/2008.

### 2.2 Label elements

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

Hazard pictograms

Signal word (SEA)

Not a dangerous substance or mixture according to Regulation (EC) No 1272/2008.

Hazard Statements (SEA)

Not a dangerous substance or mixture according to Regulation (EC) No 1272/2008.

Precautionary Statements (SEA)

Not a dangerous substance or mixture according to Regulation (EC) No 1272/2008.

## SECTION 3: Composition/information on ingredients

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

### 3.1 Maddeler

EC No 200-338-0  
Molar mass 76.09 g/mol  
Cas No 57-55-6  
Concentration --

## 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

Provide fresh air..



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

Tekkim Kimya Company is an group company  
www.tekkim.com.tr | tekkim@tekkim.com.tr

**Tekkim Kimya Sanayi ve Ticaret Limited Şirketi**

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

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

Factory: istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31

# Safety Data Sheet

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

# TEKKİM

Revision Date: 17.08.2022 Version 2

*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*

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. In case of fire, dangerous flammable gases or vapors may develop. Forms explosive mixtures with air at intense temperatures.

### 5.3 Advice for firefighters

*Special protective equipment for firefighters*

In case of fire: Wear self-contained breathing apparatus..

### 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

*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.



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

Tekkim Kimya Company is an  group company  
www.tekkim.com.tr | tekkim@tekkim.com.tr

**Tekkim Kimya Sanayi ve Ticaret Limited Şirketi**

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

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

**Factory:** istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31

# Safety Data Sheet

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

Revision Date: 17.08.2022 Version 2

# TEKKİM

## 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

##### 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 vapors/aerosols are generated.


Recommended Filter type: Recommended Filter type: Filter A-(P2)

## SECTION 9: Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties



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

Tekkim Kimya Company is an  group company  
www.tekkim.com.tr | tekkim@tekkim.com.tr

**Tekkim Kimya Sanayi ve Ticaret Limited Şirketi**

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

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

**Factory:** istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31

# Safety Data Sheet

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

# TEKKİM

Revision Date: 17.08.2022 Version 2

Physical state	Liquid
Colour	Colorless
Odour	Characteristic
Odour threshold	No information.
pH value	6,0 - 8,0 100 g/l 20 °C
Melting point/freezing point	-59 °C
Freezing point	No information.
Initial boiling point and boiling range	188 °C 1,013 hPa
Flash point	99 °C
Evaporation rate	No information.
Flammability (solid, gas)	No information.
Upper/lower flammability or explosive limits	2,4 %(V)
Upper/lower flammability or explosive limits	17,4 %(V)
Vapour pressure	0,11 hPa 20 °C
Vapour density	2,6
Density	1,04 g/cm <sup>3</sup> 20 °C
Relative density	No information.
Water solubility (g/l)	Soluble.
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	LogPow:-0,92 Bioaccumulation is not expected.
Auto-ignition temperature	371 °C
Decomposition temperature	> 188 °C
Viscosity	
Kinematic viscosity	No information.
Dynamic viscosity	45 mPa.s 20 °C
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

Increased reactivity with oxidizing agents, acid anhydrides, acid chlorides.

### 10.4 Conditions to avoid

Powerful heating.

### 10.5 Incompatible materials

Various plastics.

### 10.6 Hazardous decomposition products


No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects



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

Tekkim Kimya Company is an  group company  
www.tekkim.com.tr | tekkim@tekkim.com.tr

**Tekkim Kimya Sanayi ve Ticaret Limited Şirketi**  
**Factory:** O.S.B Mavi Caddesi 8.Sokak No:1 Nilüfer - BURSA | TURKEY

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

**Factory:** istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31

# Safety Data Sheet

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

Revision Date: 17.08.2022 Version 2

# TEKKİM

Acute oral toxicity  
LD50 rat: 19400-36000 mg/kg

Acute dermal toxicity  
LD50 Rabbit: 20.800 mg/kg

Skin irritation  
Rabbit  
Result: slight irritation  
(IUCLID)

Eye irritation  
Rabbit  
Result: slight irritation  
(IUCLID)

## 11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish  
LC50 Oncorhynchus mykiss (Rainbow trout): 51,600 mg/l; 96 h  
OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates  
EC50 Daphnia magna (Water flea): 34,400 mg/l; 48 hours

Toxicity to algae (algae)  
IC50 Pseudokirchneriella subcapitata (green algae): 19,000 mg/l; 96 h  
OECD Test Guideline 201

Toxicity to bacteria  
EC50 Photobacterium phosphoreum: 26,800 mg/l; 30 minutes  
EC50 active waste: > 1,000 mg/l; 3 hours

### 12.2 Persistence and degradability

Biodegradation

86%; 20g  
OECD Test Guideline 301D

87 - 92%; 28g  
OECD Test Guideline 301C

Easily 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



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

Tekkim Kimya Company is an  group company  
www.tekkim.com.tr | tekkim@tekkim.com.tr

**Tekkim Kimya Sanayi ve Ticaret Limited Şirketi**

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

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

**Factory:** istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31

# Safety Data Sheet

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

Revision Date: 17.08.2022 Version 2



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>	--	--	--	--
<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.
<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 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

Not a dangerous substance or mixture according to Regulation (EC) No 1272/2008.

Person Who Prepared the Safety Data Sheet:

Name:

Certificate Number and Date:

Communication information:

Erhan DİLER

11.29.03 & 11 Şubat 2020

05069903686



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

Tekkim Kimya Company is an group company  
www.tekkim.com.tr | tekkim@tekkim.com.tr

**Tekkim Kimya Sanayi ve Ticaret Limited Şirketi**

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

+90 224 243 21 71 (pbx) | Fax: +90 224 242 97 66

**Factory:** istoc 33.ada No: 47-49-51-53

+90 212 659 64 24 (pbx) | Fax: +90 212 659 64 30 - 31