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



REACH)

Revision Date: 17.08.2022 Version 2

# 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...







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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

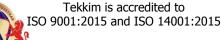
Keep container tightly closed in dry and well-ventilated places.

# 7.3 Specific end uses

There are no other specific uses other than those mentioned in section 1.2.







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# **SECTION 8: Exposure controls / personal protection**

#### 8.1 Control parameters

Contains no subtances 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.

LINOT T.

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







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Physical state Liquid
Colour Colorless
Odour Characteristic
Odour threshold No information

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)

Upper/lower flammability or explosive limits

Upper/lower flammability or explosive limits

17,4 %(V)

Vapour pressure 0,11 hPa 20 °C Vapour density 2,6

Density 1,04 g/cm3 20 °C Relative density No information.

Water solubility (g/l)

Fat solubility (g/l)

Soluble.

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





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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

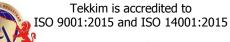
Discharge into environment must be avoided.

# **SECTION 13: Disposal considerations**

Waste treatment methods







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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
14.1 UN number				
14.2 UN proper shipping name				
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.	s It is not classified as dangerous goods.
14.3 Transport hazard class(es)				
14.4 Packing group				
14.5 Environmental hazards				
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

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: Erhan DİLER

Communication information: 11.29.03 & 11 Şubat 2020

05069903686





