

# Safety Data Sheet

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



Revision date 30.10.2019

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Version 2

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

### 1.1 Product identifier

1.2 Relevant identified uses of the substance or mixture and uses advised against TK.050152  
Generic name Diethylene Glycol  
REACH No.  
CAS No. 111-46-6

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

Relevant identified uses Use as laboratory reagent. Laboratory chemicals.  
Use of the substance / mixture  
Uses advised against

### Details of the supplier of the safety data sheet

Name TEKK M K MYA SAN. T C. LTD. T .  
Street ORGAN ZE SAN. BÖL. M  
Telephone 0224 243 21 71  
E-mail tekkim@tekkim.com.tr  
Company Representative Gökhan ÖZKAN

**Emergency Telephone Number 0553 209 14 16 - 0553 209 14 18**

## SECTION 2: Hazards identification

### Classification of the substance or mixture

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

Acute Tox. 4  
Specific target organ toxicity (repeated exposure)

Full text of R-, H- and EUH-phrases: see section 16.

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### 2.2 Label elements

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

##### Hazard pictograms



##### Signal word

Warning

##### Hazard Statements

H302 Harmful if swallowed.  
H373 May damage to organs through prolonged or repeated exposure

##### Precautionary Statements

###### Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

###### Response

P301+P312 IF SWALLOWED: Call a doctor if you feel unwell.  
Rinse mouth.

###### Storage

### 2.3 Other hazards

## SECTION 3: Composition/information on ingredients

### Substances

Formula C<sub>4</sub>H<sub>10</sub>NO<sub>3</sub>

EC No. 203-872-2

Molar mass 106,12 g/mol

Characteristic	CAS No	EC No	Concentration	Classification
Diethylene Glycol	111-46-6	203-872-2	>=100 %	;4:H304

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 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	Remove casualty to fresh air and keep warm and at rest..
Following skin contact	Subsequently wash off with:.
Following eye contact	In case of contact with eyes, rinse immediately thoroughly with plenty of edible oil and consult an ophthalmologist..
Following ingestion	Please give up to two glasses of water. Get immediate medical attention..

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

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### Indication of any immediate medical attention and special treatment needed

No information available..

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

*Suitable extinguishing media*

Water. Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

*Unsuitable extinguishing media*

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

In case of fire may be liberated:.. Carbon dioxide (CO<sub>2</sub>).

### 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..

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## 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..

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## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

*Advices on safe handling*

Observe label precautions.

*Measures to prevent fire*

*Advices on general occupational hygiene*

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

*Technical measures and storage conditions*

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### 7.3 Specific end uses

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## 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

Fresh air (open windows and doors) is necessary..

#### Personal protection equipment

##### Eye/face protection

Safety glasses

##### 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 specifica

##### Other skin protection

Protective chlothing

##### Respiratory protection

Use of air-purifying respirators in risk assessment

redundant multi-purpose combination for the United States (USA)

Use breathing apparatus. Use the left masks of the only way for protection. NIOSH

(United States) or CEN (European Union)

use your

#### Environmental exposure controls

See section 7. Additional information about obligations under the common European environment protection regulations:.

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## SECTION 9: Physical and chemical Properties

### Information on basic physical and chemical properties

Physical state Liquid

Colour colourless

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Odour	characteristic
Odour threshold	No information
pH value	5,0 - 8 500 g/l 20 °C
Melting point/freezing point	-10 °C
Freezing point	No information .
Initial boiling point and boiling range	245 °C
Flash point	143 ° C - closed container
Evaporation rate	<0.01 - butyl acetate
Flammability (solid, gas)	No information °C
Upper/lower flammability or explosive limits	1,6 %(V)
Upper/lower flammability or explosive limits	10,6 %(V)
Vapour pressure	0,008 hPa nin 25 °C
Vapour density	3,66 - (Air=1.0)
Density	0,790-0,793 g/cm3
Relative density	1,118 g/mL at 25 °C
Water solubility (g/l)	fully miscible °C
Fat solubility (g/l)	No information °C
Partition coefficient: n-octanol/water	log Pow: -2,0
Auto-ignition temperature	372 °C at 1.013,25 hPa
Decomposition temperature	No information

### Viscosity

Kinematic viscosity	No information
Dynamic viscosity	No information
Explosive properties	Not classified as explosive
Oxidising properties	No information

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## 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

No information

### 10.4 Conditions to avoid

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### 10.5 Incompatible materials

Zinc alloys. Oxidising agent, strong.

### 10.6 Hazardous decomposition products

No known hazardous decomposition products..

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute oral toxicity  
No information

Skin irritation  
Not irritation

Eye irritation  
Not irritation

### 11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

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## SECTION 12: Ecological information

### 12.1 Toxicity

No data available  
Theoretical oxygen  
need  
1,510 mg / g  
Notes: (Source)  
BOD / ThBOD ratio 1.3 - 10%  
Notes: (Source)

### 12.2 Persistence and degradability

No information

### 12.3 Bioaccumulative potential

No information

### 12.4 Mobility in soil

No information

### 12.5 Results of PBT and vPvB assessment

PBT ve vPvB de erlendirilmesi yapılmamı tır.

### 12.6 Other adverse effects

Discharge into environment must be avoided

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## 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. It was to proceed as their products uncleaned packaging. Atık Maddeler.

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## SECTION 14: Transport information

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### Land transport (ADR/RID)

UN number Not dangerous good  
UN proper shipping name  
Transport hazard class(es)  
Packing group  
Environmental hazards  
Special precautions for  
Tunnel restriction code

### Inland waterway transport (ADN)

Limited quantity (LQ)  
Special Provisions  
Category

### Air transport (ICAO-TI / IATA-DGR)

UN number Not dangerous good  
UN proper shipping name  
Transport hazard class(es)  
Packing group  
Environmental hazards  
Special precautions for

### Sea transport (IMDG)

UN number Not dangerous good  
UN proper shipping name  
Transport hazard class(es)  
Packing group  
Environmental hazards  
Special precautions for

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## SECTION 15: Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

This material complies with the requirements of EU Regulation 1907/2006.

### Chemical Safety Assessment

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## SECTION 16: Other information

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H373 May damage to organs through prolonged or repeated exposure  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P301+P312 IF SWALLOWED: Call a doctor if you feel unwell.  
Rinse mouth.

### Prepared the Document

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