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



Revision Date: 04.08.2022 Version 2

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

1.1 Product identifier

Catalog No. TK.050152.00000
Product Name Diethylene Gylcol

Cas no 111-46-6

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

1.2.1. Relevant identified uses

Use as laboratory reagent. Laboratory chemicals.

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 category 4, oral

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)

H302 Harmful if swallowed.

Precautionary Statements (SEA)

Prevention

P264 Wash ... thoroughly after handling.

P270 Do no eat, drink or smoke when using this product.

Response

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

SECTION 3: Composition/information on ingredients

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

3.1 Maddeler

 EC No
 203-872-2

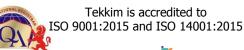
 Molar mass
 106,12 g/mol

 Cas No
 111-46-6

 Concentration
 (<= 100 %)</td>







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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).

Remove to fresh air. Call a doctor. If breathing stops: apply mechanical Following inhalation

respiration immediately, with oxygen if necessary.

Wash with plenty of water. Take off contaminated clothing. Following skin contact

Following eye contact Rinse carefully and thoroughly with eye wash or water.

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

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

Alcohol resistant foam. Dry extinguishing powder. Carbon dioxide (CO2). Water spray.

Unsuitable extinguishing media

There is no restriction for this item.

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO2)

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. Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

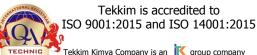
Advices on general occupational hygiene

Change contaminated clothing. Wash hands after working with substance.

7.2 Conditions for safe storage, including any incompatibilities







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Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and anything that can cause ignition.

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

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

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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

Use redundant multi-purpose combined (USA) full-face respirators for controls using air purifying respirators in the risk assessment. For protection, use one-way left-hand masks. Use related devices and equipment such as NIOSH (USA) or CEN (European Union).

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 Odorless Odour threshold Not applicable.

pH value 6,0 - 8,0 200 g/l 20 °C -10 °C

Melting point/freezing point Freezing point No information.

245 °C Initial boiling point and boiling range

Flash point 138 °C Evaporation rate No information.

Flammability (solid, gas) 372 °C Upper/lower flammability or explosive limits 1,7 %(V)

Upper/lower flammability or explosive limits 37 %(V) < 0,1 hPa 25 °C Vapour pressure 3,66

Vapour density Density

Relative density Water solubility (g/l) Fat solubility (q/l)

Partition coefficient: n-octanol/water

Auto-ignition temperature Decomposition temperature

Viscosity

Kinematic viscosity No information. Dynamic viscosity 30 mPa.s 25 °C

Explosive properties Not classified as explosive.

Oxidising properties none

SECTION 10: Stability and Reactivity

10.1 Reactivity

May form explosive peroxides.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Moisture should be avoided. In case of warming.

10.5 Incompatible materials

Zinc alloys. Strong oxidizing agent.

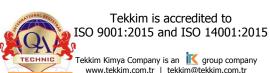
10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects





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log Pow: -1,98 25 °C - Bioaccumulation is not

1,118 g/mL 25 °C 1,118 20 °C

No information.

No information.

Soluble.

expected. No information.

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Acute toxicity
No data available

LD50 Dermal - Rabbit - 11.890 mg / kg LD50 Oral - Rat - 12.565 mg / kg LD50 Oral - Human - 1.000 mg / kg

Skin corrosion / irritation

Skin - Rabbit

Result: No skin irritation

Notes: (IUCLID)

Serious eye damage / eye irritation

Eyes - Rabbit

Result: No eye irritation

Notes: (IUCLID)

11.2 Additional information

Symptoms and signs of poisoning:

Confusion. Dizziness. May damage the kidneys. Unconsciousness. Convulsions. Nausea. Headache. Vomiting.

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Pulmonary edema. Effects may take time to appear.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

LC50 - Pimephales promelas (Juvenile Carp) - 75,200 mg / I - 96 h

LC50 - Carassius auratus (Goldfish) - 5,000 mg / I - 24 h

Toxicity to daphnia and other aquatic invertebrates

EC50 - Daphnia magna (Water flea) -> 10.000 mg / I - 24 h

(DIN 38412)

12.2 Persistence and degradability

Biodegradation

Exposure time 28 days

Result: 90 - 100% - Readily biodegradable

(OECD Test Guideline 301B)

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

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







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It is not classified as dangerous
It is not classified as dangerous It is not classified as dangerous It is not classified as dangerous It is not classified as goods. goods. goods. goods. dangerous goods.

14.3 Transport hazard class(es)



14.4 Packing group

14.5 Environmental hazards

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

H302 Harmful if swallowed.

Person Who Prepared the Safety Data Sheet:

Erhan DİLER Certificate Number and Date:

11.29.03 & 11 Şubat 2020 Communication information:

05069903686





