

Safety Data Sheet

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



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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.120320

Generic name METHANOL

REACH No.

CAS No. 67-56-1

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

Relevant identified uses Industrial uses. Scientific research and development. Use as laboratory reagent.

Use of the substance / mixture

Uses advised against

Details of the supplier of the safety data sheet

Name TEKKİM KİMYA SAN. T.C. LTD. T

Street ORGANİZE SAN. BÖL. MAVİ CAD. 8. SOK. NO : NİLÜFER / BURSA

Telephone 0224 243 21 71

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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]

Flam. Liq. 2

Acute Tox. 3

Acute Tox. 3

Acute Tox. 3

STOT SE 1

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

Danger

Hazard Statements

H225 Extremely flammable liquid and vapour.
H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled
H370 Causes damage to organs.

Precautionary Statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Storage

Store in a well-ventilated place. Keep cool.

2.3 Other hazards

SECTION 3: Composition/information on ingredients

Substances

Formula CH₃OH
EC No. 200-659-6
Molar mass 32,04 g/mol

Characteristic	CAS No	EC No	Concentration	Classification
Methanol	67-56-1	200-659-6	99,5% >	;4:H22518:H301 + H311 + H3314:H3704:P2104:P2334:P28011:P302 + P35211:P304 + P34011:P403 + P235

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..

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Following eye contact	In case of contact with eyes, rinse immediately thoroughly with plenty of edible oil and consult an ophthalmologist..
Following ingestion	Rinse mouth immediately and drink plenty of water..

Most important symptoms and effects, both acute and delayed

Dizziness. Anaesthetic state. Inebriation. Nausea. Vomiting.

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

Water spray jet.

5.2 Special hazards arising from the substance or mixture

Flammable. Heavy vapors in the air at the ground surface may occur.. It can create explosive mixtures with air on intense heating. In case of fire hazardous combustion gases or vapors may occur..

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 discharge into sewer. Risk of explosion. Close drainage channels.Take up with liquid-absorbent material.Clean the affected area.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents)..

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

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

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

.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

No information

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 : butyl rubber

Glove thickness : 0,7 mm

Break through time : >480 minute

Splash contact :

Glove material : Viton (R)

Glove thickness : 0,7 mm

Break through time : >240 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

Flame reterdant antistatic protective chlothing

Respiratory protection

Required when vapours are generated

Recommended filter type : A filter (acc. to EN 3181)

Environmental exposure controls

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

SECTION 9: Physical and chemical Properties

Information on basic physical and chemical properties

Physical state Liquid

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Colour	transparent
Odour	
Odour threshold	10-20000 mbp
pH value	No information 0 g/l
Melting point/freezing point	-98
Freezing point	No information
Initial boiling point and boiling range	64,5 C
Flash point	10
Evaporation rate	No information
Flammability (solid, gas)	No information °C
Upper/lower flammability or explosive limits	5,5 %(V)
Upper/lower flammability or explosive limits	44%(V)
Vapour pressure	No information
Vapour density	No information
Density	0,790-0,793 g/cm3
Relative density	No information
Water solubility (g/l)	Soluble °C
Fat solubility (g/l)	No information °C
Partition coefficient: n-octanol/water	logPOW : - 0,77 Bioaccumulation is not expected
Auto-ignition temperature	Not information
Decomposition temperature	Not information
Viscosity	
Kinematic viscosity	Not information
Dynamic viscosity	0,600 mPa.s
Explosive properties	Not information
Oxidising properties	Not information

SECTION 10: Stability and Reactivity

10.1 Reactivity

Vapours may form explosive mixtures with air.

10.2 Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature..

10.3 Possibility of hazardous reactions

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Explosion risk with

Oxidizing materials, Magnesium , hydrogen peroxide, nitric acid, nitrogen oxides, chlorates perchlorates, Perchloric acid (chrom(IV)oxide

Exothermic reactions with

Acid halids, acid anhydrides, reducing compounds. acids

10.4 Conditions to avoid

In case of warming:.

10.5 Incompatible materials

Zinc alloys. Magnesium. Various plastics. Rubber, various plastics.

10.6 Hazardous decomposition products

No known hazardous decomposition products..

SECTION 11: Toxicological information

11.1 Information on toxicological effects

LD50 rat: 5630 mg/kg

Symptoms : Nausea, vomiting

Acute inhalation toxicity

LC50 rat : 85,40 mg/l 4 h

Symptoms : Mucosal irritation

Acute dermal toxicity

LD50 rabbit : 16900 mg/kg

Skin irritation :

No information

Eye irritation:

Mucosal irritation

11.2 Additional information

No information

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

LC 50 sunfish : 15200 mg/l 96 h (at soft water)

12.2 Persistence and degradability

No information

12.3 Bioaccumulative potential

log POW: -0,77

Bioaccumulation is not expected

12.4 Mobility in soil

No information

12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB

12.6 Other adverse effects

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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. It was to proceed as their products uncleaned packaging.

SECTION 14: Transport information

Land transport (ADR/RID)

UN number UN 1230
UN proper shipping name METHANOL
Transport hazard class(es) 3.(6.1)
Packing group II
Environmental hazards
Special precautions for YES
Tunnel restriction code D/E

Inland waterway transport (ADN)

Limited quantity (LQ)

Special Provisions

Category

Air transport (ICAO-TI / IATA-DGR)

UN number UN 1230
UN proper shipping name METHANOL
Transport hazard class(es) 3(6.1)
Packing group II
Environmental hazards
Special precautions for NO

Sea transport (IMDG)

UN number UN 1230
UN proper shipping name METHANOL
Transport hazard class(es) 3(6.1)
Packing group II
Environmental hazards YES
Special precautions for YES

SECTION 15: Regulatory information

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

Storage class : 3B

Chemical Safety Assessment

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SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

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Prepared the Document

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