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



Revision Date: 28.09.2022 Version 2

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

1.1 Product identifier

Catalog No. TK.911022.00000

Product Name Methanol
Cas no 67-56-1

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

1.2.1. Relevant identified uses 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. STİ.

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)

Flammable liquids, Category 2 Acute toxicity, Oral, Category 3

Acute toxicity, By inhalation, Category 3
Acute toxicity, Dermal, Category 3

Specific Target Organ Toxicity - Single exposure, Category 1, Eyes

For the full text of the H and EUH statements referred to in this section, see section 16.

2.2 Label elements

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

Hazard pictograms







Signal word (SEA)

DANGER

Hazard Statements (SEA)

H225 Highly flammable liquid and vapour.

H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled.

H370 Causes damage to organs. (eyes)

Precautionary Statements (SEA)







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Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. -No smoking.

P233 Keep container tightly closed.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Intervention

P301+P310 IF SWALLOWED: Call a NATIONAL POISON CENTER or doctor/physician.

P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse your skin with water/shower.

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P304+P340 IF INHALED: Move victim to fresh air and keep in a position comfortable for breathing.

SECTION 3: Composition/information on ingredients

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

3.1 Maddeler

 EC No
 200-659-6

 Molar mass
 32.04 g/mol

 Cas No
 67-56-1

 Concentration
 (<= 100 %)</td>

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

respiration immediately, with oxygen if necessary.

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

Following eye contact In case of contact with eyes, rinse immediately with plenty of water and

consult an ophthalmologist.

Following ingestion Have the patient drink ethanol. (40% alcohol 1 glass) and call a doctor

immediately. If medical assistance is not available within 1 hour, make the patient vomit and drink ethanol again. (0.3 ml 40% ethanol /body

weight/hour.)

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. May form explosive mixture with air at intense temperatures. In case of fire, dangerous flammable gases or vapors may develop. There may be glare. Be careful.

5.3 Advice for firefighters

Special protective equipment for firefighters

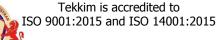
Do not stay in dangerous zone without self-contained breathing apparatus. Keep a safe distance to cut off contact with skin and wear suitable protective clothing.

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.







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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 discharge into sewer. Risk of explosion.

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. It is recommended to use a skin protection cream.

7.2 Conditions for safe storage, including any incompatibilities

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

Methanol (67-56-1)

TR MAK Acceptable 200 mbp

maximum 260 mg/m3

concentration (MAK)

TR OEL 8 hour specified 200 mbp for reference time 260 mg/m3

measured or calculated time weighted average

(TWA):

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





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Hand protection

Full contact

Glove material: Butyl rubber Glove thickness: 0,70 mm Break through time: >480 minute

Splash contact

Glove material: Viton (R) Glove thickness:0,70 mm

Break through time: >120 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

Buharlar/aerosoller atılmasında gerekir. Tavsiye edilen Filtre tipi: AX Fltresi (EN 371)

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Physical state Liquid
Colour Colorless
Odour Characteristic
Odour threshold 10 ppm

Odour threshold

pH value

No information.

Melting point/freezing point

-97.8 °C - (ECH

Melting point/freezing point -97,8 °C - (ECHA) Freezing point No information.

Initial boiling point and boiling range 64,7 °C 1.013 hPa - (ECHA)

Flash point 9,7 °C
Evaporation rate 6,3
Flammability (solid, gas) 455 °C 1,013 hPa

Upper/lower flammability or explosive limits

455 C 1,013 HP2

455 C 1,013 HP2

457 C 1,013 HP2

458 C 1,013 HP2

459 C 1,013 HP2

459 C 1,013 HP2

459 C 1,013 HP2

459 C 1,013 HP2

459 C 1,013 HP2

459 C 1,013 HP2

459 C 1,013 HP2

459 C 1,013 HP2

Vapour pressure169,27 hPa25 °CVapour density1,11Density0,79 g/cm320 °CPolative densityNo information

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

0,79 g/cm3 20 3
No information.
Soluble.
No information.

Partition coefficient: n-octanol/water log Pow: -0,77 (experimental) - No bioaccumulation

Auto-ignition temperature expected. No information.

Decomposition temperature It can be distilled without decomposition at normal

pressure.

Viscosity

Kinematic viscosity 0,54 - 0.59 mm2/s 20 °C
Dynamic viscosity 0,54 - 0.59 mPa.s 25 °C
Explosive properties Not classified as explosive.
Oxidising properties none

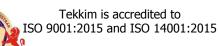
SECTION 10: Stability and Reactivity

10.1 Reactivity

Vapors may form explosive mixture with air.







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10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Oxidizing agents, perchloric acid, perchlorates, salts of oxyhalogenic acids, chromium (VI) oxide, halogen oxides, nitrogen oxides, nonmetal oxides, chromosulfuric acid, chlorates, hydrides, zinc diethyl, halogens, powdered magnesium, hydrogen peroxide, Nitric acid, Sulfuric acid There is a risk of explosion with permanganic acid, sodium hypochlorite.

It gives exothermic reaction with acid halides, acid anhydrides, reducing compounds, acids, bromine, chlorine, chloroform, magnesium, tetrachloromethane.

10.4 Conditions to avoid

In case of warming.

10.5 Incompatible materials

Various plastics, magnesium, zinc alloys.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

Acute toxicity estimate: 100.1 mg/kg

Expert judgment

Symptoms: Nausea, vomiting.

Acute inhalation toxicity

Estimated acute toxicity Inhalation - 4 h - 3.1 mg/l

(Expert decision)

Symptoms: Irritant symptoms in the respiratory tract.

Acute dermal toxicity

Acute toxicity estimate Dermal - 300.1 mg/kg

(Expert decision)

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation

Notes: (ECHA)

Drying effect resulting in rough and cracked skin.

Specific Target Organ Toxicity - Single exposure

Causes damage to organs. - Eyes, Central nervous system

11.2 Additional information

Systemic effects:

Symptoms may be delayed, such as acidosis, drop in blood pressure, agitation, spasms, intoxication, dizziness, drowsiness, headache, visual disturbances, blindness, narcosis, coma.

Handle in accordance with safety and hygiene rules.

SECTION 12: Ecological information

12.1 Toxicity





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Toxicity to fish

flow-through test LC50 Lepomis macrochirus (Bluegill sunfish): 15,400 mg/l;96 h US-EPA

Toxicity to daphnia and other aquatic invertebrates EC50 Daphnia magna (Water flea): 18,260 mg/l; 96 h (OECD Testing Guide 202)

Toxicity to algae (algae)

static test EC50 Pseudokirchneriella subcapitata (green algae): approx. 22,000 mg/l; 96 h OECD Test Guideline 201

Toxicity to bacteria

static test IC50 active waste: > 1,000 mg/l; 3 hours

OECD Test Guideline OECD 209

12.2 Persistence and degradability

Biodegradability

Result: 99% - Easily degradable.

(OECD Test Guide 301D)

Biochemical Oxygen Demand (BOD)

600 - 1,120 mg/g (5 g)

(IUCLID)

Chemical Oxygen Demand (COD)

1.420mg/g

(IUCLID)

BOD/ThBOD ratio

76 %

Closed bottle test (IUCLID)

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

It is not absorbed by the soil.

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				
UN 1230	UN 1230	UN 1230	UN 1230	UN 1230
14.2 UN proper shipping name				
METHANOL	METHANOL	METHANOL	METHANOL	METHANOL

14.3 Transport hazard class(es)

3(6.1) 3(6.1) 3(6.1) 3(6.1)







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

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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

H225 Highly flammable liquid and vapour.

H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled.

H370 Causes damage to organs. (eyes)

Person Who Prepared the Safety Data Sheet:

Name:
Certificate Number and Date:
Erhan DİLER

Communication information: 11.29.03 & 11 Şubat 2020

Communication information: 11.29.03 & 11 05069903686







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