

Safety Data Sheet

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

Revision Date: 05.08.2022 Version 2

TEKKİM

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

1.1 Product identifier

Catalog No. TK.200655.00000
Product Name Ethanol Absolute %99,5
Cas no 64-17-5

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

1.2.1. Relevant identified uses

Industrial use. Health service. Scientific research and development.

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)

Flammable liquid, Category 2
Eye irritation, Category 2

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.

H319 Causes serious eye irritation.

Precautionary Statements (SEA)

Prevention

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

P233 Keep container tightly closed.

P240 Ground/connect container or receiving equipment.

P241 Use explosion-proof electrical/ventilation/igniter/.../ material.

P242 Use only non-flammable tools.

Intervention


P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if fitted and easy to do. Continue rinsing.

SECTION 3: Composition/information on ingredients

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



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ISO 9001:2015 and ISO 14001:2015

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3.1 Maddeler

EC No	200-578-6
Molar mass	46.07 g/mol
Cas No	64-17-5
Concentration	(≤ 100 %)

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..
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	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

Carbon oxides. 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

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

Be careful not to mix into the 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.



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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. 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 substances 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

in full contact

Glove material : Butyl rubber

Glove thickness: 0.7 mm

Absorption time: > 480 minutes

In contact with splash

Glove material : Nitrile rubber

Glove thickness: 0.4 mm

Absorption time: > 120 minutes

The gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resulting standard EN374.

Other skin protection

Flame retardant antistatic protective clothing.

Respiratory protection

Required when vapors are generated.

Recommended filter type: A filter (according to DIN 3181). (Filter A is for organic compound vapors.)

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties



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Physical state	Liquid
Colour	Transparent
Odour	Alcohol
Odour threshold	0.1 - 5058.5 mbp
pH value	7.0 10 g/l 20 °C
Melting point/freezing point	-114.5 °C
Freezing point	No information.
Initial boiling point and boiling range	78.3 °C 1.013 hPa
Flash point	13.0 °C
Evaporation rate	No information.
Flammability (solid, gas)	No information.
Upper/lower flammability or explosive limits	3.1 %(v)
Upper/lower flammability or explosive limits	27.5 %(v)
Vapour pressure	59 hPa 20 °C
Vapour density	1.6
Density	0.790 - 0.793 g/cm3 20 °C
Relative density	No information
Water solubility (g/l)	Soluble.
Fat solubility (g/l)	No information
Partition coefficient: n-octanol/water	logPOW :- 0.31 Bioaccumulation is not expected.
Auto-ignition temperature	425 °C
Decomposition temperature	No information.
Viscosity	
Kinematic viscosity	No information
Dynamic viscosity	1.2 mPa.s 20 °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.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Hydrogen peroxide, perchlorates, perchloric acid, nitric acid, mercury(II) nitrate, permanganic acid, nitriles, peroxy compounds, strong oxidizing agents, nitrosyl compounds, peroxides, sodium, potassium, halogen oxides, calcium hypochlorite, nitrogen dioxide, metallic oxides, Risk of explosion with uranium hexafluoride, iodides, chlorine, alkali metals, alkaline earth metals, alkali oxides, ethylene oxide.

There is a risk of explosion or formation of flammable gases with halogen-halogen compounds, chromium (VI) oxide, chromyl chloride, fluorine, hydrides, phosphorus oxides, platinum.

10.4 Conditions to avoid

In case of warming.

10.5 Incompatible materials

Rubber, 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: 10,470 mg/kg
OECD Test Guideline 401

Acute inhalation toxicity
LC50 Rat: 124.7 mg/l; 4 hours; steam
OECD Test Guideline 403

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Causes serious eye irritation.
(OECD Test Guideline 405)

11.2 Additional information

Systemic effects: Feeling extremely energetic (euphoria).
After absorption: Dizziness, intoxication, narcosis, respiratory paralysis.
Handle in accordance with safety and hygiene rules.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
flow-through test EC50 Pimephales promelas (Carp juvenile): 15,300 mg/l; 96 h
US-EPA

Toxicity to daphnia and other aquatic invertebrates
static test LC50 - Ceriodaphnia dubia (water flea) - 5.012 mg/l - 48 h
(ECHA)

Toxicity to algae (algae)
static test ErC50 - Chlorella vulgaris (freshwater algae) - 275 mg/l - 72 h
(OECD Test Guideline 201)

Toxicity to bacteria
static test IC50 - activated sludge - > 1.000 mg/l - 3 h
(OECD Test Guideline 209)

12.2 Persistence and degradability

Biodegradability
Oxygenated (aerobic) - Exposure time 15 d
Result: approx. 95% - Easily degradable.
(OECD Test Guideline 301E)

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
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14.1 UN number

UN 1170

UN 1170

UN 1170

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UN 1170

14.2 UN proper shipping name

ETHANOL (ETHYL ALCOHOL)
or ETHANOL SOLUTION
(ETHYL ALCOHOL SOLUTION)

ETHANOL (ETHYL ALCOHOL)
or ETHANOL SOLUTION
(ETHYL ALCOHOL SOLUTION)

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(ETHYL ALCOHOL SOLUTION)

ETHANOL (ETHYL ALCOHOL)
or ETHANOL SOLUTION
(ETHYL ALCOHOL SOLUTION)

14.3 Transport hazard class(es)

3

3

3

3

3



14.4 Packing group

II

II

II

II

II

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.

H319 Causes serious eye irritation.

Person Who Prepared the Safety Data Sheet:

Name:

Certificate Number and Date:

Communication information:

Erhan DİLER

11.29.03 & 11 Şubat 2020

05069903686



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