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



Revision Date: 05.08.2022 Version 2

### 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

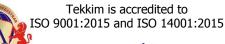
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if fitted and easy to do. Continue rinsing.

# **SECTION 3: Composition/information on ingredients**

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







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3.1 Maddeler

 EC No
 200-578-6

 Molar mass
 46.07 g/mol

 Cas No
 64-17-5

 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 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

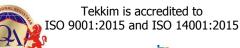
Disposal: see section 13.

#### 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 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

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 reterdant antistatic protective chlothing.

Respiratory protection

Required when vapors are generated.

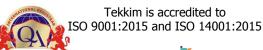
Recommended filter type: A filter (according to DIN 3181). (Filter A is for organic compound vapors.)

### **SECTION 9: Physical and chemical Properties**

# 9.1 Information on basic physical and chemical properties







Melting point/freezing point

Flammability (solid, gas)

Initial boiling point and boiling range

Partition coefficient: n-octanol/water

Upper/lower flammability or explosive limits

Upper/lower flammability or explosive limits

Physical state

Odour threshold

Freezing point

Vapour pressure Vapour density

Relative density

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

Auto-ignition temperature Decomposition temperature

Flash point Evaporation rate

Colour

Odour

pH value

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(REACH)

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Liquid **Transparent** Alcohol

0.1 - 5058.5 mbp 10 g/l 20 °C 7.0

-114.5 °C No information.

78.3 °C 1.013 hPa

13.0 °C

No information. No information. 3.1 %(v) 27.5 %(v) 59 hPa 20 °C

0.790 - 0.793 g/cm3 20 °C

No information

Soluble.

No information

logPOW :- 0.31 Bioaccumulation is not expected.

425 °C

No information.

Viscosity

Density

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

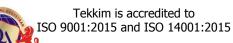
No known hazardous decomposition products.

### **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.

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### **SECTION 14: Transport information**

**ADR IMDG IATA ADN RID** 







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14.1 UN number

UN 1170 UN 1170 UN 1170 UN 1170 UN 1170 UN 1170

14.2 UN proper shipping name

ETHANOL (ETHYL ALCOHOL)

or ETHANOL SOLUTION

(ETHYL ALCOHOL)

or ETHANOL SOLUTION

or ETHANOL SOLUTION

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14.3 Transport hazard class(es)

3 3 3 3



14.4 Packing group

H H H H

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:

Certificate Number and Date: Erhan DİLER

Communication information:

05069903686







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