

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.090250.00000
Product Name Iso Propyl Alcohol (2-Propanol)
Cas no 67-63-0

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

1.2.1. Relevant identified uses

Use as laboratory reagent. Pharmaceutical production. Cosmetic raw material.

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 liquids, Category 2
Eye irritation, Category 2
Specific Target Organ Toxicity – Single exposure, Category 3, Central nervous system

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.

H336 May cause drowsiness or dizziness.

Precautionary Statements (SEA)



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ISO 9001:2015 and ISO 14001:2015

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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.

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.

Storage

P403+P233 Store in a well-ventilated area. Keep container tightly closed.

SECTION 3: Composition/information on ingredients

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

3.1 Maddeler

EC No	200-661-7
Molar mass	60.1 g/mol
Cas No	67-63-0
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	Remove casualty to fresh air and keep warm and at rest..
Following skin contact	Wash with plenty of water. Take off contaminated clothing.
Following eye contact	In case of contact with eyes, rinse eyelids with water for 10-15 minutes. See a doctor immediately.
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

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

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



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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.

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. Protect from light.

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

2-propanol		(67-63-0)
TR MAK	Acceptable maximum concentration (MAK)	200 mbp 500 mg / m ³

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 : Nitrile rubber
Glove thickness :0,40 mm
Break through time : >480 minute

Splash contact

Glove material : Polychloroben
Glove thickness :0,65 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

Required when vapors/aerosols are generated.

Recommended Filter type: Filter A (according to DIN 3181), for vapors of organic compounds

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Colorless
Odour	Alcohol
Odour threshold	1 ppm
pH value	Neutral
Melting point/freezing point	-89,5 °C
Freezing point	No information.
Initial boiling point and boiling range	82,4 °C
Flash point	12,0 °C
Evaporation rate	3,0
Flammability (solid, gas)	425,0 °C
Upper/lower flammability or explosive limits	2 %(V)
Upper/lower flammability or explosive limits	13,4 %(V)
Vapour pressure	43 hPa 20 °C
Vapour density	2,07
Density	No information.
Relative density	No information.
Water solubility (g/l)	Soluble.
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	log Pow: 0,05 - Bioaccumulation is not expected.
Auto-ignition temperature	No information.
Decomposition temperature	No information.

Viscosity

Kinematic viscosity	No information.
Dynamic viscosity	2,2 mPa.s 20 °C
Explosive properties	Not classified as explosive.
Oxidising properties	none

SECTION 10: Stability and Reactivity

10.1 Reactivity

Vapours may form explosive mixtures with air.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.



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10.3 Possibility of hazardous reactions

Risk of explosion with chlorates, phosgene, organic nitro compounds, hydrogen peroxide, perchlorates, strong oxidizing agents, nitric acid, nitrogen dioxide.

Risk of explosion or formation of flammable gases or vapors with alkali metals, alkaline earth metals, chromium (VI) oxide.

They can give exothermic reactions with aldehydes, amines, odorous sulfuric acid, iron, aluminum, chlorine, strong acids, halogen compounds, potassium tert-butanolate.

10.4 Conditions to avoid

In case of warming.

10.5 Incompatible materials

Rubber, various plastics, oils

10.6 Hazardous decomposition products

Peroxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

LD50 Rat: 5.045 mg / kg

(RTECS)

Symptoms: Risk of inhalation by vomiting. Inhalation may cause pulmonary edema and pneumonitis.

Acute inhalation toxicity

LC50 Rat: 37.5 mg / l; 4 hrs; steam

OECD Test Guideline 403

Symptoms: Possible damages :, mucosal irritations

Acute dermal toxicity

LD50 Rabbit: 12.800 mg / kg

(RTECS)

Skin irritation

Rabbit

Result: No skin irritation

OECD Test Guideline 404

Drying effect resulting in rough and chapped skin.

Eye irritation

Rabbit

Result: Eye irritation

OECD Test Guideline 405

Causes serious eye irritation.

Did not show carcinogenic effects in animal experiments.

Specific Target Organ Toxicity - Single exposure

It may cause drowsiness or dizziness.

Target Organs: Central nervous system

11.2 Additional information

After absorption:

Headache, dizziness, intoxication, unconsciousness, narcosis

After taking large quantities:

respiratory paralysis, Coma


Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity



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Toxicity to fish
flow-through test LC50 Pimephales promelas (Juvenile Carp): 9.640 mg / l; 96 hrs
US-EPA

Toxicity to daphnia and other aquatic invertebrates
EC50 Daphnia magna (Water flea): 13.299 mg / l; 48 h (IUCLID)

Toxicity to algae (algae)
IC50 Desmodesmus subspicatus (green algae): > 1,000 mg / l; 72 h (IUCLID)

Toxicity to bacteria
EC5 Pseudomonas putida: 1.050 mg / l; 16 hrs
(Source)

12.2 Persistence and degradability

Biodegradation
95%; 21 g; oxygenated (aerobic)
OECD Test Guideline 301E
It is easily soluble in nature by itself.

Theoretical oxygen demand (ThOD)
2.400 mg / g
(Source)

Ratio BOD / ThBOD
BOD5 49%
(IUCLID)

Ratio COD / ThBOD
96%
(Source)

12.3 Bioaccumulative potential

Dağılım katsayısı (n-oktanol/su)
log Pow: 0,05
OECD Test Talimatı 107
Biyoakümüülasyon beklenemez.

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 UN 1219	UN 1219	UN 1219	UN 1219	UN 1219
14.2 UN proper shipping name ISOPROPANOL (ISOPROPYL ALCOHOL)	ISOPROPANOL (ISOPROPYL ALCOHOL)	ISOPROPANOL (ISOPROPYL ALCOHOL)	ISOPROPANOL (ISOPROPYL ALCOHOL)	ISOPROPANOL (ISOPROPYL ALCOHOL)



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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.

H336 May cause drowsiness or dizziness.

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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