

Safety Data Sheet

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

Revision Date: 06.09.2022 Version 2

TEKKİM

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

1.1 Product identifier

Catalog No. TK.201789.00000
Product Name Propanol (N-Propanol)
Cas no 71-23-8

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

1.2.1. Relevant identified uses

Industrial use. 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. 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
Serious eye damage, Category 1
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.

H318 Causes serious eye damage.

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.

P240 Ground/connect container or receiving equipment.

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

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.

P313 Get medical advice/see your doctor.

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	200-746-9
Molar mass	60.1 g/mol
Cas No	71-23-8
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 immediately with plenty of water and consult an ophthalmologist.

Following ingestion

Be careful if the patient vomits. Aspiration hazard! Keep airway clear and call a doctor immediately. Then to be applied: activated charcoal (20-40 g in 10% slurry).

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

Laxative : Sodium sulfate (1 tablespoon 250 ml of water..)

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. Forms explosive mixtures with air at atmospheric temperature. There may be a flashback. Be careful. In case of fire, dangerous flammable gases or vapors may develop.

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.



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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

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.

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.

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

Fully fitting safety glasses

Hand protection

Hand protection

in full contact

Glove material : Nitrile rubber

Glove thickness: 0.40 mm

Absorption time: > 480 minutes

In contact with splash

Glove material : polychloroprene

Glove thickness: 0.65 mm

Absorption time: > 120 minutes

Gloves to be used must comply with EC directive 89/686/EEC specifications and EN 374 standards.



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Other skin protection

Flame retardant antistatic protective clothing.

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	like alcohol
Odour threshold	No information.
pH value	7,0 200 g/l 20 °C
Melting point/freezing point	-127 °C
Freezing point	No information.
Initial boiling point and boiling range	96,5 - 98 °C 1,013 hPa
Flash point	15 °C
Evaporation rate	No information.
Flammability (solid, gas)	No information.
Upper/lower flammability or explosive limits	2,1 %(V)
Upper/lower flammability or explosive limits	19,2 %(V)
Vapour pressure	19 hPa 20 °C
Vapour density	2,1
Density	0,80 g/cm ³ 20 °C
Relative density	No information.
Water solubility (g/l)	Soluble.
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	log Pow: 0,25 (IUCLID) Bioaccumulation is not expected.
Auto-ignition temperature	360 °C
Decomposition temperature	No information.
Viscosity	
Kinematic viscosity	No information.
Dynamic viscosity	2,3 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.

10.3 Possibility of hazardous reactions

Alkali earth metals give exothermic reaction with alcoholates.

Violent reactions possible with strong oxidizing agents.

10.4 Conditions to avoid

to temperate.

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

Symptoms: Risk of aspiration with vomiting., Inhalation may cause pulmonary edema and pneumonitis.

Acute inhalation toxicity

Symptoms: Possible damages:, mucosal irritations

Eye irritation

Rabbit

Result: Severe irritations

OECD Test Guideline 405

Causes serious eye damage.

Specific Target Organ Toxicity – Single exposure

May cause drowsiness or dizziness.

Target Organs: Central nervous system

11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

LC50 Pimephales promelas (Carp juvenile): 4,630 mg/l; 96 h

(IUCLID)

flow-through test LC50 Pimephales promelas (Carp juvenile): 4.555 mg/l; 96 h

Analytical observation: yes

OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates

static test EC50 Daphnia magna (Water flea): 3,644 mg/l; 48 hours

DIN 38412

Toxicity to algae (algae)

static test EC50 Pseudokirchneriella subcapitata (green algae): 9,170 mg/l; 48 hours

(ECHA)

Toxicity to bacteria

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

OECD Test Guideline OECD 209

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

semi-static test NOEC Daphnia magna (Water flea): > 100 mg/l; 21 g

OECD Test Guideline 211

12.2 Persistence and degradability

Biodegradation

75%; 20 g; oxygenated (aerobic)

(IUCLID)

It is easily biodegradable by itself.

Chemical Oxygen Demand (COD)

2,230 mg/g

(IUCLID)

Ratio BOD/COD

73 %

(IUCLID)

12.3 Bioaccumulative potential



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Partition coefficient (n-octanol/water)
log Pow: 0.25
(experimental)
(IUCLID) Bioaccumulation is not expected.

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 1274	UN 1274	UN 1274	UN 1274	UN 1274
14.2 UN proper shipping name N-PROPANOL	N-PROPANOL	N-PROPANOL	N-PROPANOL	N-PROPANOL

14.3 Transport hazard class(es)

3 3 3 3 3



14.4 Packing group

II II II II II

14.5 Environmental hazards

YES YES YES YES YES

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



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H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.

Person Who Prepared the Safety Data Sheet:

Name: Erhan DİLER
Certificate Number and Date: 11.29.03 & 11 Şubat 2020
Communication information: 05069903686



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