

Safety Data Sheet

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

Revision Date: 17.10.2022 Version 2

TEKKİM

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

1.1 Product identifier

Catalog No. TK.930071.00000
Product Name Isoamyl Alcohol (for synthesis, milk testing)
Cas no 123-51-3

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
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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 3
Acute toxicity, By inhalation, Category 4
Skin irritation, Category 2
Serious eye damage, Category 1
Specific Target Organ Toxicity – Single exposure, Category 3, Respiratory 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)

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H332 Harmful by inhalation.
H335 May cause respiratory irritation.

Precautionary Statements (SEA)



Tekkim is accredited to
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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

- P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse your skin with water/shower.
P304+P340 IF INHALED: Move victim to fresh air and keep in a position comfortable for breathing.
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)

3.1 Maddeler

EC No	204-633-5
Molar mass	88.15 g/mol
Cas No	123-51-3
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	Please give up to two glasses of water. Get immediate medical attention.

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

Carbon oxides. Flammable. Heavy-than-air vapors may form on the floor surface. Forms explosive mixtures with air at intense temperatures. In case of fire, dangerous flammable gases or vapors may develop.

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.

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. 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 dry and well-ventilated places. Protect from light. 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

Full contact

Glove material : Nitrile rubber

Glove thickness : 0,4 mm

Break through time : >480 minute

Splash contact

Glove material : Nitrile rubber


Glove thickness : 0,11 mm

Break through time : >30 minute

The protective gloves to be used must comply with the specifications of directive 89/686/EEC and the related standart EN374.



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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	No information.
Odour threshold	No information.
pH value	5,6 25 g/l 20 °C
Melting point/freezing point	-147 °C 1,013 hPa
Freezing point	No information.
Initial boiling point and boiling range	No information.
Flash point	43,5 °C
Evaporation rate	No information.
Flammability (solid, gas)	335 °C
Upper/lower flammability or explosive limits	1,2 %(V)
Upper/lower flammability or explosive limits	8 %(V)
Vapour pressure	3 hPa 20 °C
Vapour density	3,04
Density	0,809 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	logPOW: 1.35
Auto-ignition temperature	No information.
Decomposition temperature	No information.
Viscosity	
Kinematic viscosity	5,32 mm ² /s 20 °C
Dynamic viscosity	4,3 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

There is a risk of explosion or formation of flammable gases or vapors with fluorine, strong oxidizing agents, oxygen, alkali metals, alkaline earth metals, acids, isocyanates, halogens, perchloric acid, lithium aluminum hydride, acid anhydrides, perchlorates, aluminum, sulphides.

10.4 Conditions to avoid

In case of warming.

10.5 Incompatible materials

Rubber.

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 respiratory toxicity
Estimated acute toxicity Inhalation - 11.1 mg/l
(External product safety sheet)

Skin corrosion/irritation
Skin - Rabbit
Result: Moderate skin irritation - 24 h
(RTECS)

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Risk of serious damage to the eye.
(External product safety sheet)

Specific Target Organ Toxicity – Single exposure
May cause respiratory tract irritation. - Respiratory system

11.2 Additional information

After prolonged exposure: Nausea, headache, vomiting.
Handle in accordance with safety and hygiene rules.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
static test LC50 - Oncorhynchus mykiss (Rainbow trout) - 700 mg/l - 96 h
(OECD Testing Guide 203)

Toxicity to daphnia and other aquatic invertebrates
EC50 - Daphnia (Daphnia) - 260 mg/l - 48 h
(IUCLID)

Toxicity to bacteria
EC50 - Pseudomonas putida - 2.500 mg/l - 17 h
(IUCLID)

12.2 Persistence and degradability

No information available.

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
14.1 UN number UN 1105	UN 1105	UN 1105	UN 1105	UN 1105
14.2 UN proper shipping name				



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14.3 Transport hazard class(es)

3

3

3

3

3



14.4 Packing group

III

III

III

III

III

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

- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H332 Harmful by inhalation.
- H335 May cause respiratory irritation.

Person Who Prepared the Safety Data Sheet:

Name:

Erhan DİLER

Certificate Number and Date:

11.29.03 & 11 Şubat 2020

Communication information:

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