

Safety Data Sheet

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

Revision Date: 04.08.2022 Version 2

TEKKİM

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

1.1 Product identifier

Catalog No. TK.950350.00000
Product Name Diisobutyl ketone
Cas no 108-83-8

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

1.2.1. Relevant identified uses

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 liquids Category 3

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)

WARNING

Hazard Statements (SEA)

H226 Flammable liquid and vapour.

H335 May cause respiratory 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.

P243 Take precautionary measures against static discharge.

SECTION 3: Composition/information on ingredients

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

3.1 Maddeler

EC No 203-620-1



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ISO 9001:2015 and ISO 14001:2015

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Molar mass	142.24 g/mol
Cas No	108-83-8
Concentration	(<= 100 %)

SECTION 4: First aid measures

4.1 Description of first aid measures

<i>General information</i>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<i>Following inhalation</i>	Provide fresh air..
<i>Following skin contact</i>	Wash with plenty of water. Take off contaminated clothing.
<i>Following eye contact</i>	Rinse immediately carefully and thoroughly with eye-bath or water..
<i>Following ingestion</i>	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. Forms explosive mixtures with air at elevated temperatures. 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.

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

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.



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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 contact with splash
Glove material : butyl rubber
Glove thickness: 0.7 mm
Absorption time: > 240 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: 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



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Physical state	Liquid
Colour	Colorless
Odour	No information.
Odour threshold	No information.
pH value	No information.
Melting point/freezing point	No information.
Freezing point	No information.
Initial boiling point and boiling range	163 - 173 °C
Flash point	47 °C
Evaporation rate	No information.
Flammability (solid, gas)	No information.
Upper/lower flammability or explosive limits	0,8 %(V)
Upper/lower flammability or explosive limits	6,2 %(V)
Vapour pressure	No information.
Vapour density	No information.
Density	No information.
Relative density	No information.
Water solubility (g/l)	No information.
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	No information.
Auto-ignition temperature	No information.
Decomposition temperature	No information.
Viscosity	
Kinematic viscosity	No information.
Dynamic viscosity	No information.
Explosive properties	Not classified as explosive.
Oxidising properties	none.

SECTION 10: Stability and Reactivity

10.1 Reactivity

Forms explosive mixtures with air at intense temperatures.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Violent reactions possible with oxidizing agents, oils, strong reducing agents.

10.4 Conditions to avoid

In case of warming.

10.5 Incompatible materials

Polyvinylchloride, vinyl acetate, 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 Oral - Rat - 5,750 mg/kg

Acute respiratory toxicity
LC50 Inhalation - Rat - 4 h - 11.8 mg/l

Acute dermal toxicity
LD50 Dermal - Rabbit - 16.000 mg/kg

Skin corrosion/irritation
Skin - Rabbit
Result: slight irritation

Serious eye damage/eye irritation
Eyes - Rabbit
Result: slight irritation

Specific Target Organ Toxicity – Single exposure
May cause respiratory tract irritation.
Acute inhalation toxicity - Shortness of breath, Cough, mucosal irritations, Pulmonary edema
Acute toxicity through the skin - Dermatitis, skin burning, Drying effect resulting in rough and chapped skin.

Aspiration toxicity
Lung failure is possible after inhalation of vomit. Risk of inhalation with vomiting.

11.2 Additional information

After absorption, headache, dizziness, nausea, vomiting, CNS disorders, intoxication, drop in blood pressure may occur.

Handle in accordance with safety and hygiene rules.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
LC50 - Fish - > 100 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates
EC50 - Daphnia (Daphnia) - > 100 mg/l - 48 h

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



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UN 1157

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14.2 UN proper shipping name

DIISOBUTYL KETONE

DIISOBUTYL KETONE

DIISOBUTYL KETONE

DIISOBUTYL KETONE

DIISOBUTYL KETONE

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.

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:

05069903686



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