

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.010050.00000
Product Name Acetone %99,5
Cas no 67-64-1

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 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)

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.



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ISO 9001:2015 and ISO 14001:2015

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SECTION 3: Composition/information on ingredients

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

3.1 Maddeler

EC No	200-662-2
Molar mass	58.08 g/mol
Cas No	67-64-1
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>	Remove casualty to fresh air and keep warm and at rest..
<i>Following skin contact</i>	Wash with plenty of water. Take off contaminated clothing.
<i>Following eye contact</i>	In case of contact with eyes, rinse immediately with plenty of water and consult an ophthalmologist.
<i>Following ingestion</i>	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

Flammable. Heavy vapors in the air at the ground surface may occur.. It can create explosive mixtures with air on

intense heating. In case of fire hazardous combustion gases or vapors may occur.. Flashback. Caution.

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus..

5.4 Additional information

Prevent fire-fighting water from entering earth or groundwater. Move the container away from the danger area and cool with water.

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.



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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

Acetone	(67-64-1)
TR MAK Acceptable maximum Concentration (MAK)	1,000 mbp 2,400 mg / m ³
TR OEL 8 hour set for reference time measured or calculated time weighted average (TWA):	500 mbp 1.210 mg / m ³

8.2 Exposure controls

Appropriate engineering controls

Fresh air (open windows and doors) is necessary..

Personal protection equipment

Eye/face protection

Safety glasses

Hand protection

Hand protection

Full contact:

Glove material: butyl rubber

Glove thickness: 0.7 mm

Puncture time: 480 minutes

Contact with splash

Glove material: natural latex

Glove thickness: 0,6 mm

Puncture time: 10 minutes

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

Other skin protection

Flame retardant antistatic protective chlothing.



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Respiratory protection

Required when vapors / aerosols are formed.
Recommended Filter Type: AX Filter (EN 371)

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Colorless
Odour	Strong smell, slightly aromatic
Odour threshold	0,1 ppm
pH value	5,0 - 6,0 395 g/l 20 °C
Melting point/freezing point	-94,0 °C
Freezing point	No information.
Initial boiling point and boiling range	56,0 °C 1.013 hPa
Flash point	< -20 °C
Evaporation rate	No information.
Flammability (solid, gas)	465 °C
Upper/lower flammability or explosive limits	2 %(V)
Upper/lower flammability or explosive limits	13%(V)
Vapour pressure	245 hPa 20 °C
Vapour density	No information.
Density	0,79 g/cm3 20 °C
Relative density	No information.
Water solubility (g/l)	Soluble.
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	No information.
Auto-ignition temperature	No information.
Decomposition temperature	It can be distilled without decomposition at normal pressure.
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

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

Risk of explosion or formation of flammable gases or vapors with chromosulfuric acid, chromyl chloride, ethanolamine, fluorine, strong oxidizing agents, strong reducing agents, nitric acid, chromium (VI) oxide. There is a risk of explosion with nonmetal oxyhalides, halogen-halogen compounds, chloroform, nitrating acid, nitrosyl compounds, hydrogen peroxide, halogen oxides, organic nitro compounds, peroxy compounds. They give exothermic reaction with bromine, alkali metals, alkali hydroxides, halogenated hydrocarbon, sulfur dichloride, phosphorus oxychloride.

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



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11.1 Information on toxicological effects

Acute oral toxicity
LD50 Rat: 5,800 mg/kg
(ECHA)

Acute inhalation toxicity
LC50 Inhalation - Rat - 4 h - 76 mg/l
(External product safety sheet)

Acute dermal toxicity
LD50 Dermal - Rabbit - 20.000 mg/kg
(IUCLID)

Skin corrosion/irritation
Skin - Rabbit
Result: Minor skin irritation - 24 h (Draize Test)
(RTECS)

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Eye irritation - 24 h (Draize Test)
(RTECS)

Specific Target Organ Toxicity – Single exposure
If inhaled - May cause drowsiness or dizziness.

11.2 Additional information

After absorption:
Headache, mouth watering, drooling, nausea, vomiting, dizziness, narcosis, coma.
Handle in accordance with safety and hygiene rules.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
flow-through test LC50 - Pimephales promelas (Carp calf) - 6,210 mg/l - 96 h
(OECD Testing Guide 203)

Toxicity to daphnia and other aquatic invertebrates
static test LC50 - Daphnia pulex (Water laurel) - 8.800 mg/l - 48 h
(ECHA)

Toxicity to algae (algae)
static test NOEC - M.aeruginosa - 530 mg/l - 8 d
(IUCLID)

Toxicity to bacteria
static test EC50 - activated sludge - 61.15 mg/l - 30 min
(OECD Testing Guide 209)

12.2 Persistence and degradability



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Biodegradability
Oxygenated (aerobic) - Exposure time 28 d
Result: 91% - Easily degradable.
(OECD Testing Guide 301 B)

Biochemical Oxygen Demand (BOD)
1,850 mg/g (5 g)
(IUCLID)

Chemical Oxygen Demand (COD)
2,070 mg/g
(IUCLID)

12.3 Bioaccumulative potential

No information available. Partition coefficient (n-octanol / water)
log Pow: -0.24
(experimental)
Bioaccumulation is not expected. (Source)

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 1090	UN 1090	UN 1090	UN 1090	UN 1090
14.2 UN proper shipping name ACETONE	ACETONE	ACETONE	ACETONE	ACETONE
14.3 Transport hazard class(es) 3	3	3	3	3



14.4 Packing group

II II II II II

14.5 Environmental hazards



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



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