

Safety Data Sheet

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



Revision date 25.10.2019

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Version 1

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

1.1 Product identifier

1.2 Relevant identified uses of the substance or mixture and uses advised against TK.930109
Generic name Asetonitril % 99,9 (for Synthesis)
REACH No.
CAS No. 75-05-8

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

Relevant identified uses Use as laboratory reagent.
Use of the substance / mixture
Uses advised against

Details of the supplier of the safety data sheet

Name TEKK M K MYA SAN. T C. LTD. T .
Street ORGAN ZE SAN. BÖL. M
Telephone 0224 243 21 71
E-mail tekkim@tekkim.com.tr
Company Representative Gökhan ÖZKAN

Emergency Telephone Number 0553 209 14 16 - 0553 209 14 18

SECTION 2: Hazards identification

Classification of the substance or mixture

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

Flam. Liq. 2

Acute Tox. 4
Acute Tox. 4
Acute Tox. 4
Eye Irrit. 2

Full text of R-, H- and EUH-phrases: see section 16.

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2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Signal word

Danger

Hazard Statements

H225 Extremely flammable liquid and vapour.
H319 Causes serious eye irritation.
H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled

Precautionary Statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground/bond container and receiving equipment.

Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

SECTION 3: Composition/information on ingredients

Substances

Formula CH₃CN C₂H₂N (Hill)
EC No. 200-835-2
Molar mass 41,05 g/mol

<u>Characteristic</u>	<u>CAS No</u>	<u>EC No</u>	<u>Concentration</u>	<u>Classification</u>
Asetonitril % 99,9 (for Synthesis)	75-05-8	200-835-2		;4:H22518:H302 + H312 + H3324:H319

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

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	Subsequently wash off with:.
Following eye contact	In case of contact with eyes, rinse immediately thoroughly with plenty of edible oil and consult an ophthalmologist..
Following ingestion	Please give up to two glasses of water. Get immediate medical attention..

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Most important symptoms and effects, both acute and delayed

Vomiting. Headache. Dizziness. Dyspnoea. Unconsciousness. Nausea.

Indication of any immediate medical attention and special treatment needed

No information available..

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water. Foam. Dry extinguishing powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

Water spray jet.

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated:. Flammable. Heavy vapors in the air at the ground surface may occur.. In case of fire hazardous combustion gases or vapors may occur.. Flashback. Caution. Hydrogen cyanide (hydrocyanic acid). Nitrogen oxide.

5.3 Advice for firefighters

Special protective equipment for firefighters

Do not stay in dangerous zone without 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 allow to enter into surface water or drains..

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.

Measures to prevent fire

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Advices on general occupational hygiene

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7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

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7.3 Specific end uses

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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Working area
components
Notes on the Value Value Threshold menu
Acetonitrile (75-05-8)
EN MAK Acceptable
Maximum Package
Produce (MAK)
40 mbp
70 mg / m³
TR OEL You are 8 years
for reference time
measured or
calculated time
intensive average
(TWA):
40 mbp
70 mg / m³
Skin descriptio

8.2 Exposure controls

Appropriate engineering controls

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

Personal protection equipment

Eye/face protection

Güvenlik gözlükleri

Hand protection

Full contact:

Glove material: butyl rubber

Glove thickness: 0.7 mm

Puncture time:> 480 minutes

Contact with splash:

Material of gloves: polychloroprene

Glove thickness: 0.65 mm

Puncture time:> 30 minutes

The protective gloves to be used comply with the specifications of EC directive 89/686

Other skin protection

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Protective clothing

Respiratory protection

required when vapors / aerosols are formed.

Recommended Filter type: Filter A (acc. To DIN 3181), vapors of organic compounds for

Entrepreneur must perform maintenance of respiratory protection devices according to the instructions of the device manufacturer.

that they are made, cleaned and te

Environmental exposure controls

See section 7. Additional information about obligations under the common European environment protection regulations:.

SECTION 9: Physical and chemical Properties

Information on basic physical and chemical properties

Physical state	Liquid:
Colour	colourless
Odour	Ether
Odour threshold	39,8 mbp
pH value	0 g/l
Melting point/freezing point	-45,7 °C
Freezing point	no information
Initial boiling point and boiling range	81,6 °C at 1.013 hPa
Flash point	2 °C
Evaporation rate	no information
Flammability (solid, gas)	no information °C
Upper/lower flammability or explosive limits	3,0 %(V)
Upper/lower flammability or explosive limits	17 %(V)
Vapour pressure	97 hPa at 20 °C
Vapour density	1,42
Density	0,786 g/cm ³ 20 °C
Relative density	no information
Water solubility (g/l)	at 20 °C soluble °C
Fat solubility (g/l)	no information °C
Partition coefficient: n-octanol/water	log Pow: -0.34 (IUCLID) Bioaccumulation is not expected.
Auto-ignition temperature	524 °C
Decomposition temperature	Distillation without decompositi

Viscosity

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Kinematic viscosity	0,316 mPa.s at 20
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

Sensitive to light.

10.3 Possibility of hazardous reactions

There is a risk of explosion:
nitrates, perchlorates, perchloric acid
conc. sulfuric acid, with, Heat.
Risk of explosion or formation of flammable gases or vapors with:
Oxidizing agents, Nitric acid
nitrogen dioxide with catalyst
Generates dangerous gas or vapor in contact with:
acids

10.4 Conditions to avoid

.

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

Acute oral toxicity
No information

Skin irritation
Not irritation

Eye irritation
Not irritation

11.2 Additional information

Güvenlik ve hijyen kurallarına uygun olarak taşıyınız.

SECTION 12: Ecological information

12.1 Toxicity

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Toxicity to fish
semi-static test LC50 *Oryzias latipes* (Orange-red lethal fish (mosquito control))> 100 mg / l; 96 h
OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates
semi-static test EC50 *Daphnia magna* (Water flea)> 1,000 mg / l; 48 h
OECD Test Guideline 202

12.2 Persistence and degradability

Biodegradation
70%; 21 g
OECD Test Guideline 310
Readily biodegradable.

12.3 Bioaccumulative potential

Partition coefficient (n-octanol / water)
log Pow: -0.34
(IUCLID) Bioaccumulation is not expected.
bioaccumulation
Bioconcentration factor (BCF): 0.3
Lepomis macrochirus (Bluegill sunfish)
It does not accumulate significantly in organisms.
Information from reference studies and literature.

12.4 Mobility in soil

Distribution in environmental environments
Adsorption / Soil
log Koc: 1,21
Movable in soil (Source)

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. It was to proceed as their products uncleaned packaging. Atık Maddeler.

SECTION 14: Transport information

Land transport (ADR/RID)

UN number UN 1648
UN proper shipping name ACETONITRILE
Transport hazard class(es) 3
Packing group II
Environmental hazards --
Special precautions for yes
Tunnel restriction code D/E

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Inland waterway transport (ADN)

Limited quantity (LQ)

Special Provisions

Category

Air transport (ICAO-TI / IATA-DGR)

UN number UN 1648
UN proper shipping name ACETONITRILE
Transport hazard class(es) 3
Packing group II
Environmental hazards --
Special precautions for no

Sea transport (IMDG)

UN number UN 1648
UN proper shipping name ACETONITRILE
Transport hazard class(es) 3
Packing group II
Environmental hazards yes
Special precautions for yes

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Storage class : 3

Chemical Safety Assessment

SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

H225 Extremely flammable liquid and vapour.

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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Prepared the Document

Name Surname : Gökhan ÖZKAN
Contact Info : 0553 209 14 18
Email Address : gokhan@tekkim.com.tr
Certificate Number: 01.52.05
