

Safety Data Sheet

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



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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.930108

Generic name ACETONITRILE HPLC Grade

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

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SECTION 2: Hazards identification

Classification of the substance or mixture

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

Acute Tox. 4

Acute Tox. 4

Acute Tox. 4 (vapour)

Eye Irrit. 2

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

Safety Data Sheet

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

Article No (user) TK.930108
Generic name ACETONITRILE HPLC Grade

2.2 Label elements

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

Hazard pictograms



Signal word

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.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

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

2.3 Other hazards

SECTION 3: Composition/information on ingredients

Substances

Formula	C ₂ H ₃ N			
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>
Acetonitrile	75-05-8	200-835-2	>=99,5 %	

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	Do NOT induce vomiting.. Do not Give nothing to eat or drink..

Most important symptoms and effects, both acute and delayed

Safety Data Sheet

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

Article No (user) TK.930108
Generic name ACETONITRILE HPLC Grade

Respiratory complaints. Vomiting. Cough. Headache. Dizziness.

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

Water.

5.2 Special hazards arising from the substance or mixture

Flammable.

5.3 Advice for firefighters

Special protective equipment for firefighters

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

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

Advices on general occupational hygiene

Safety Data Sheet

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

Article No (user) TK.930108
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7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

7.3 Specific end uses

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Acetonitrile 75-05-8 TWA (8hour) 40 ppm 70 mg/m³

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

Full contact

Glove material : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

Splash contact :

Glove material : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

The protective gloves to be used must comply with the specifica

Other skin protection

Protective chlothing

Respiratory protection

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

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	transparent
Odour	characteristic
Odour threshold	no information

Safety Data Sheet

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

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pH value	0 g/l
Melting point/freezing point	-48
Freezing point	-48
Initial boiling point and boiling range	81-82 C
Flash point	2
Evaporation rate	5,8
Flammability (solid, gas)	No information °C
Upper/lower flammability or explosive limits	3% (v)
Upper/lower flammability or explosive limits	16% (v)
Vapour pressure	No information
Vapour density	No information
Density	0,786 g/cm ³
Relative density	No information
Water solubility (g/l)	Soluble °C
Fat solubility (g/l)	No information °C
Partition coefficient: n-octanol/water	log Pow: -0,54 25 °C Bioaccumulation is not expected
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

Section 10.3 to see.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures..

10.3 Possibility of hazardous reactions

no information

10.4 Conditions to avoid

Danger of fire. In case of light influence:.

10.5 Incompatible materials

Acid. Oxidising agent, strong.

Safety Data Sheet

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10.6 Hazardous decomposition products

No known hazardous decomposition products..

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity
LD50 rat : 1320-6690 mg/kg
Acute dermal toxicity
LD50 rat > 2000 mg/kg

11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity

No information

12.2 Persistence and degradability

No information

12.3 Bioaccumulative potential

Bioaccumulation is not expected

12.4 Mobility in soil

No information

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. Atyk 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
Tunnel restriction code

Safety Data Sheet

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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

Sea transport (IMDG)

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

SECTION 15: Regulatory information

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

Storage class : 3B

Chemical Safety Assessment

SECTION 16: Other information

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

H225 Extremely flammable liquid and vapour.

H319 Causes serious eye irritation.

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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

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