

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)
Classifications according to Regulation (EC) No 1272/2008.
Printdate 30 Mar 2026

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product name:

Colistin A sulfate

1.1. Catalog No.:

692459

1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical
uses: R&D

1.3. Uses advised against:

HPC Standards GmbH
An der Laakenwiese 7

04838 Jesewitz
Deutschland

Tel. +49 34241 54 990
Fax. +49 34241 54 9999
contact@hpc-standards.com

1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36
This number is only available during office hours.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Flammable liquids (Category 2), H225

Acute toxicity, Oral (Category 4), H302

Acute toxicity, Inhalation (Category 4), H332

Acute toxicity, Dermal (Category 4), H312

Eye irritation (Category 2), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

F Highly flammable R11

Xn Harmful R20/21/22

Xi Irritant R36

2.2. Label elements

2.2.1. Pictogram



2.2.2.

Signal word Danger

Hazard statement(s)

Highly flammable liquid and vapour. Harmful if swallowed, in contact with skin or if inhaled. Causes serious eye irritation. Wear protective gloves and protective clothing. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing vapour. Do not eat, drink or smoke when using this product. IF INHALED: Call a POISON CENTER or doctor if you feel unwell. Dispose of contents and container in accordance with all local, regional, national and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : Methyl cyanide

ACN

Formula : C₂H₃N

Molecular weight : 41,05 g/mol

CAS-No. : 75-05-8

EC-No. : 200-835-2

Index-No. : 608-001-00-3

Component:

Acetonitrile

CAS-No. 75-05-8

EC-No. 200-835-2

Index-No. 608-001-00-3

Classification:

Flam. Liq. 2; Acute Tox. 4; Eye Irrit. 2; H225, H302, H332, H312, H319

Concentration:

<= 100 %

3.1.1. Formula

C₅₃H₁₀₂N₁₆O₁₇S

3.1.2. Molecular Weight (g/mol)

1267.54

10. STABILITY AND REACTIVITY

- 10.1 Reactivity
no data available
- 10.2 Chemical stability
no data available
- 10.3 Possibility of hazardous reactions
no data available
- 10.4 Conditions to avoid
Heat, flames and sparks. Extremes of temperature and direct sunlight.
- 10.5 Incompatible materials
acids, Bases, Oxidizing agents, Alkali metals
- 10.6 Hazardous decomposition products
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects
 - Acute toxicity
 - LD50 Oral - rat - male - 1.320 - 6.690 mg/kg
 - LC50 Inhalation - mouse - 4 h - 3587 ppm
(OECD Test Guideline 403)
 - LC50 Inhalation - rat - 4 h - 26,8 mg/l
 - LD50 Dermal - rabbit - male and female - > 2.000 mg/kg
(OECD Test Guideline 402)
 - Skin corrosion/irritation
 - Skin - rabbit
 - Result: No skin irritation
(OECD Test Guideline 404)
 - Serious eye damage/eye irritation
 - Eyes - rabbit
 - Result: Irritating to eyes.
(OECD Test Guideline 405)
 - Respiratory or skin sensitisation
 - Buehler Test - guinea pig
 - Did not cause sensitisation on laboratory animals.
(OECD Test Guideline 406)
 - Germ cell mutagenicity
 - Hamster
 - ovary
 - Result: negative
 - Mutation in mammalian somatic cells.
 - Ames test
 - S. typhimurium
 - Result: Not mutagenic in Ames Test.
 - Hamster
 - ovary
 - Result: Equivocal evidence.
 - Sister chromatid exchange
 - Mutagenicity (micronucleus test)
 - mouse
 - Result: Positive results were obtained in some in vivo tests.
 - Carcinogenicity
 - No evidence of carcinogenicity in animal studies (when indicated)
 - IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
 - Reproductive toxicity
 - Animal testing did not show any effects on fertility.
 - Specific target organ toxicity - single exposure
 - The substance or mixture is not classified as specific target organ toxicant, single exposure.
 - Specific target organ toxicity - repeated exposure
 - The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
 - Aspiration hazard
 - No aspiration toxicity classification
 - Additional Information
 - RTECS: AL7700000
 - Treat as cyanide poisoning., Always have on hand a cyanide first-aid kit, together with proper instructions., The onset of symptoms is generally delayed pending conversion to cyanide., Nausea, Vomiting, Diarrhoea, Headache, Dizziness, Rash, Cyanosis, excitement, depression, Drowsiness, impaired judgment, Lack of coordination, stupor, death

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity
no data available
- 12.2 Persistence and degradability
no data available
- 12.3 Bioaccumulative potential
no data available
- 12.4 Mobility in soil
no data available
- 12.5 Results of PBT and vPvB assessment
no data available
- 12.6 Other adverse effects
no data available

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods
Product
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

- 14.1 UN number
ADR/RID: 1648 IMDG: 1648 IATA: 1648
- 14.2 UN proper shipping name
ADR/RID: ACETONITRILE
IMDG: ACETONITRILE
IATA: Acetonitrile
- 14.3 Transport hazard class(es)
ADR/RID: 3 IMDG: 3 IATA: 3
- 14.4 Packaging group
ADR/RID: II IMDG: II IATA: II
- 14.5 Environmental hazards
ADR/RID: no IMDG Marine Pollutant: no IATA: no
- 14.6 Special precautions for user
no data available

15. REGULATORY INFORMATION

- This safety datasheet complies with the requirements of the regulation named on the first page of this SDS.
- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available
 - 15.2 Chemical Safety Assessment
no data available

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. For lab use only!