



Material Safety Data Sheet

| Section 1: Product and Company Identification | | | |
|---|--------------------|-------------|--------------|
| Product Name | Colistin Sulfate | | |
| Catalogue Number: | AS-2029 | CAS Number: | 1264-72-8 |
| E-mail: | Sales@ausamics.com | Website: | Ausamics.com |

| Section 2: Hazards Identification | |
|---|--------|
| Classification of the substance or mixture Acute toxicity, (Category 3) H301: Toxic if swallowed. | |
| Label elements Labelling according to Regulation (EC) No 1272/2008 | |
| Pictogram | |
| Signal Word | Danger |
| Hazard Statements H301 Toxic if swallowed. Precautionary Statements P301 + P330 + P331 + P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/ doctor. Supplemental Hazard Statements none | |
| Other hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. | |

| Section 3: Composition / Information on Ingredients | | | | | | |
|---|-----------|--------------------|----------|--|--|--|
| Mixture | | | | | | |
| CAS-No. | 1264-72-8 | | | | | |
| Component | | | | | | |
| colistin, sulphate (salt) | | | | | | |
| CAS-No. | 1264-72-8 | Acute Tox. 3; H301 | <= 100 % | | | |
| EC-No. | 215-034-3 | | | | | |



| Section 4: First Aid Measures | |
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| Description of first-aid measures | |
| General advice | Consult a physician. Show this material safety data sheet to the doctor in attendance. |
| If inhaled | If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| In case of skin contact | Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician. |
| In case of eye contact | Flush eyes with water as a precaution. |
| If swallowed | Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. |
| Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. | |
| Indication of any immediate medical attention and special treatment needed No data available | |

| Section 5: Fire Fighting Measures | |
|--|--|
| Extinguishing media | |
| Suitable extinguishing media | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Special hazards arising from the substance or mixture | Carbon oxides Nitrogen oxides (NOx) Sulfur oxides |
| Advice for firefighters | Wear self-contained breathing apparatus for firefighting if necessary. |
| Further information | No data available |

| Section 6: Accidental Release Measures | |
|--|---|
| Personal precautions, protective equipment and emergency procedures | Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Methods and materials for containment and cleaning up | Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. |
| Reference to other sections | For disposal see section 13. |

| Section 7: Handling and Storage | |
|--------------------------------------|---|
| Precautions for safe handling | |
| Advice on safe handling | Avoid contact with skin and eyes. Avoid formation of dust and aerosols. |

**Advice on protection against fire and explosion**

Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

For precautions see section 2.

Conditions for safe storage, including any incompatibilities

| | |
|---------------------------|--|
| Storage conditions | Store in cool place. Keep container tightly closed in a dry and well-ventilated place. |
| Storage stability | Recommended storage temperature -20 °C |
| Storage class | Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects. |

Section 8: Exposure Controls / Personal Protection**Control parameters****Ingredients with workplace control parameters****Exposure controls****Personal protective equipment****Eye/face protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves must satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Section 9: Physical and Chemical Properties

| | |
|--|-------------------|
| Physical state | Solid |
| Color | No data available |
| Odor | No data available |
| Melting point/freezing point | No data available |
| Initial boiling point and boiling range | No data available |
| Flammability (solid, gas) | No data available |
| Upper/lower flammability or explosive limits | No data available |



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|--|--|
| Flash point | No data available |
| Vapor pressure | No data available |
| Autoignition temperature | No data available |
| Decomposition temperature | No data available |
| pH | No data available |
| Viscosity | Viscosity, kinematic: No data available Viscosity, dynamic: No data available |
| Water solubility | No data available |
| Partition coefficient: n-octanol/water | No data available |
| Density | No data available |
| Relative density | No data available |
| Relative vapor density | No data available |
| Particle characteristics | No data available |
| Explosive properties | No data available |
| Oxidizing properties | No data available |
| Other safety information | No data available |

Section 10: Stability and Reactivity

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| Reactivity |
| No data available |
| Chemical stability |
| Stable under recommended storage conditions. |
| Possibility of hazardous reactions |
| No data available |
| Conditions to avoid |
| No data available |
| Incompatible materials |
| Oxidizing agents, Strong acids |
| Hazardous decomposition products |
| In the event of fire: see section 5. |

Section 11: Toxicological Information

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|---|---|
| Information on toxicological effects | |
| Mixture | |
| Acute toxicity | LD50 Oral - Rat - 121 mg/kg Inhalation: No data available Dermal: No data available |
| Skin corrosion/irritation | Remarks: No data available |
| Serious eye damage/eye irritation | Remarks: No data available No data available |
| Respiratory or skin sensitization | No data available |
| Germ cell mutagenicity | No data available |



| | |
|---|---|
| Carcinogenicity | No data available |
| Reproductive toxicity | No data available |
| Specific target organ toxicity - single exposure | No data available |
| Specific target organ toxicity - repeated exposure | No data available |
| Aspiration hazard | No data available |
| Additional Information | |
| Endocrine disrupting properties | |
| Product: Assessment | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
| prolonged or repeated exposure can cause, Neurotoxic effects., Liver injury may occur., Anorexia., Headache, Vomiting, Diarrhea, Nausea, Ataxia., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. | |

| Section 12: Ecological Information | |
|--|---|
| Toxicity | No data available |
| Persistence and degradability | No data available |
| Bio accumulative potential | No data available |
| Mobility in soil | No data available |
| Results of PBT and vPvB assessment | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |
| Endocrine disrupting properties Product: Assessment | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
| Other adverse effects | No data available |

| Section 13: Disposal Consideration | |
|---|---|
| Waste treatment methods | |
| Product | Offer surplus and non- recyclable solutions to a licensed company. Contact a licensed professional waste disposal service to dispose of this material |
| Contaminated packaging | Dispose of as unused product. |

| Section 14: Transport Information | |
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| UN number | ADR/RID: 2811 IMDG: 2811 IATA: 2811 |
| UN proper shipping name | ADR/RID: TOXIC SOLID, ORGANIC, N.O.S. (colistin, sulphate (salt)) IMDG: TOXIC SOLID, ORGANIC, N.O.S. (colistin, sulphate (salt)) IATA: Toxic solid, organic, n.o.s. (colistin, sulphate (salt)) |



| | |
|---|--|
| Transport hazard class(es) | ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1 |
| Packaging group | ADR/RID: III IMDG: III IATA: III |
| Environmental hazards | ADR/RID: no IMDG Marine pollutant: no IATA: no |
| Special precautions for user Tunnel restriction code Further information | (E) No data available |

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

National legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

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Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

Section 16: Additional Notes

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|-----------------------------|---|
| Documented By | Ausamics Life Science Sales@Ausamics.com |
| Revision date | June 01, 2024 |
| Summary of Revisions | This document has been revised to meet the requirements of the US OSHA HazCom 2012 Standard, which supersedes the existing regulations outlined in 29 CFR 1910.1200, in order to align with the internationally recognized globally Harmonized System of Classification and Labeling of chemicals (GHS). |
| Disclaimer | The information presented in this Safety Data sheet is accurate to the best of our knowledge, information, and belief at the time of publication. It is intended as a guide for the safe handling, use, processing, storage, transportation, disposal, and release of specific materials. However, it should be interpreted as a warranty or quality specification. The provided information pertains solely to the designated material and may not be applicable to its use in combination with other materials or in any process, unless explicitly stated in the text. |