

MSDS

Material Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
Classification according to Regulation (EC) No. 1272/2008 [CLP]

1. Product and Company Identification

Product Name	Ampicillin, Sodium Salt
Product References	TBR0112 (5 g) TBR0113 (10 g)
Brand	TIARIS BIOSCIENCES
Manufacturer/ Supplier	Tiaris Biosciences SL Parque Tecnológico Rabanales 21, Edificio Aldebarán, Calle Astrónoma Cecilia Payne s/n. 14014. Córdoba, España Phone: +34 681 867 714 mailto: info@tiarisbiosciences.com web: www.tiarisbiosciences.com
Emergency Telephone	900-868538 (CHEMTREC Spain) +34 931 768 545 (CHEMTREC International)

2. Hazards Identification

2.1. Classification According to Regulation (EC) N°1272/2008 (EU-GHS/CLP)

H315 Causes skin irritation.

H317 May cause an allergic skin reaction (Category 1A).

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled (Category 1A).

H335 May cause respiratory irritation.

2.2. Label Elements and Precautionary Statements

Pictogram



Signal Word

DANGER

P261 Avoid breathing dust.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves.

P284 Wear respiratory protection.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

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3. Composition / Information on Components

Chemical Name	CAS Number	EC Number	Classification according to Regulation (EC) No.1272/2008 [CLP]
Ampicillin, Monosodium Salt	69-52-3	200-708-1	Resp. Sens. 1A; Skin Sens. 1A; H334, H317

4. First-Aid Measures

Inhalation	Remove to fresh air. If symptoms persist, call a doctor.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Immediate medical attention is required.
Eye Contact	Remove contact lenses. Flush with running water for 15 minutes. Requires medical attention.
Ingestion	Requires immediate medical attention. Rinse mouth with water. Never give anything by mouth to an unconscious person.
Notes to Physician	Not information available.

5. Fire Fighting Measures

Extinguish Media	
Suitable Extinguish Media	Water, foam, dry powder or carbon dioxide.
Unsuitable Extinguish Media	No limitations of extinguishing agents are given.
Special hazards during fire fighting	Carbon oxides, nitrogen oxides, sulfur oxides, sodium oxides, combustible. Development of hazardous combustion gases or vapours possible in the event of fire.
Advice for firefighters	Wear suitable protective clothing and stay in danger area with self-contained breathing apparatus.
Further Information	Suppress gases/ vapours/ mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water.

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6. Accidental Release Measures

Personal Precautions, protective equipment and emergency procedures	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Avoid substance contact. Ensure adequate ventilation. Use personal protection equipment. Evacuate the danger area.
Environmental Precautions	Prevent product from entering drains.
Methods and Material for Containment and Cleaning up	Cover drains. Collect, bind and pump off spills. Avoid generation of dust. Clean up affected area and dispose of properly.

7. Handling and Storage

Advice on protection against fire and explosion	Normal measures for preventive fire protection. See Section 5.
Precautions for Safe Handling	- Work under hood. Do not inhale substance/ mixture - Do not breathe vapors/dust. - Avoid contact with skin and eyes. - Wash hands and face after working with substance.
Conditions for Safe Storage, Including Any Incompatibilities	Keep container tightly closed in a dry place, accessible only to qualified or authorized persons. Storage Class (TRGS 510): 11, Combustible solids.
Specific End Use(s)	For research use only

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8. Exposure Control/ Personal Protection

Ingredients with workplace control parameters.

Personal Protective Equipment:

Eye/face protection

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

Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use.

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.

Gloves Material: Nitrile Rubber | Minimum layer thickness: 0.11 mm | Break through time: 480 min.

Respiratory protection

Required when vapours/ aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P2.

Control of environmental exposure

Do not let product enter drains.

9. Physical and Chemical Properties

Appearance:	Powder
Form:	Solid
Colour:	Light yellow
Odour:	No data available
pH (Value):	6.5-8.5 (1%)
Boiling Point:	No data available
Melting Point:	215°C-dec
Flammable Limits:	Product is not flammable
Auto Ignition Temperature:	No data available
Explosive Properties:	Product is not explosive

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Oxidising Properties:	None
Vapour Pressure (mm Hg):	No data available
Density (g/ml):	No data available
Solubility (Water):	50 g/L
Solubility (Other):	DMF: 20 mg/mL; DMSO: 16 mg/mL; Ethanol: 2 mg/mL; PBS (pH 7.2): 10 mg/mL
Partition Coefficient:	No data available

10. Stability and Reactivity

Possibility of Hazardous Reaction:	No dangerous reactions known
Chemical Stability:	Stable if used according to specifications
Hazardous Decomposition Product(s):	Carbon oxides, nitrogen oxides, sodium oxides, sulfur oxides
Conditions to avoid:	None known.
Incompatible Materials:	Oxidizing agents.

11. Toxicology Information

Acute toxicity:

Acute oral toxicity: Rat, LD₅₀ > 5314 mg/ kg (RTECS).

Acute inhalation toxicity: no data available.

Acute dermal toxicity: no data available.

Skin corrosion/irritation: Irritant to skin and mucous membranes.

Serious eye damage/eye irritation: Irritant effect.

Respiratory or skin sensitization: Sensitization possible through inhalation or skin contact.

Germ cell mutagenicity: no data available.

Carcinogenicity: no data available.

IARC: not listed.

NTP: not listed.

OSHA: not listed.

Reproductive toxicity: no data available.

Teratogenicity: no data available.

Specific target organ toxicity – single exposure (GHS): no data available.

Specific target organ toxicity – repeated exposure (GHS): no data available.

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Aspiration hazard: no data available.

Endocrine Disrupting Properties: 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 (RTECS: XH8400000).

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological Information

Toxicity:	No data available.
Persistence and Degradability:	No data available.
Bioaccumulative 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.

13. Disposal Considerations

Waste treatment methods:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned Packagings:

Disposal must be made according to official regulations.

14. Transport Information

IATA / ADR / DOT-US / IMDG:	Not regulated
UN number or ID number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class(es):	Not Applicable
Packing Group:	Not Applicable
Special Precautions for User:	Not Applicable
Maritime Transport in Bulk according to IMO Instruments:	Not Applicable

15. Regulatory Information

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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.

Chemical Safety AssessmentNone

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. *Tiaris Biosciences* shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.