

Safety Data Sheet

Ampicillin, Sodium Salt

CAROLINA®
www.carolina.com

Section 1

Product Description

Product Name: Ampicillin, Sodium Salt
Recommended Use: Science education applications
Synonyms: Ampicillin, Antibiotics
Distributor: Carolina Biological Supply Company
2700 York Road, Burlington, NC 27215
1-800-227-1150
Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2

Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

DANGER



May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GHS Classification:

Respiratory Sensitisation Category 1, Skin Sensitisation Category 1

Section 3

Composition / Information on Ingredients

Chemical Name
Ampicillin, Sodium Salt

CAS #
69-52-3

%
100

Section 4

First Aid Measures

Emergency and First Aid Procedures

Inhalation: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Eyes: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin Contact: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5

Firefighting Procedures

Extinguishing Media:

Use dry chemical, CO2 or appropriate foam.

Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Fire and/or Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide, Sodium Oxides, Nitrogen oxides, Sulfur Oxides

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Section 6

Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Ventilate the contaminated area. Isolate area. Keep unnecessary personnel away. Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area.

Methods for Clean-up

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up and containerize for disposal.

Section 7

Handling and Storage

Handling: Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. Do not breathe dust. Do not ingest or take internally. Avoid contact with skin and eyes.

Storage: Suitable for any general chemical storage.

Storage Code: Green - general chemical storage

Section 8

Protection Information

Chemical Name	ACGIH (TWA)	OSHA PEL (TWA)	ACGIH (STEL)	OSHA PEL (STEL)
No data available				
Control Parameters				
Engineering Measures:	No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.			
Personal Protective Equipment (PPE):	Lab coat, apron, eye wash, safety shower.			
Respiratory Protection:	No respiratory protection required under normal conditions of use.			
Eye Protection:	Wear chemical splash goggles when handling this product. Have an eye wash station available.			
Skin Protection:	Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.			
Gloves:	Nitrile			

Section 9

Physical Data

Formula: C16H18N3O4SNa

Molecular Weight: 371.4

Appearance: Yellow Solid

Odor: No data available

Odor Threshold: No data available

pH: No data available

Melting Point: 215 C

Boiling Point: No data available

Flash Point: No data available

Flammable Limits in Air: N/A

Vapor Pressure: N/A

Evaporation Rate (BuAc=1): N/A

Vapor Density (Air=1): N/A

Specific Gravity: N/A

Solubility in Water: Soluble

Log Pow (calculated): No data available

Autoignition Temperature: No data available

Decomposition Temperature: No data available

Viscosity: No data available

Percent Volatile by Volume: N/A

Section 10

Reactivity Data

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Reactivity:	No data available
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	Sulfur Oxides, Nitrogen oxides, Sodium Oxides, Carbon dioxide, Carbon monoxide
Hazardous Polymerization:	Will not occur

Section 11

Toxicity Data

Routes of Entry	Inhalation and ingestion.			
Symptoms (Acute):	Respiratory disorders			
Delayed Effects:	No data available			
Acute Toxicity:				
Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
Ampicillin, Sodium Salt	69-52-3	Oral LD50 Mouse > 5314 mg/kg Oral LD50 Rat > 5314 mg/kg	Not determined	Not determined
Carcinogenicity:				
Chemical Name	CAS Number	IARC	NTP	OSHA
No data available				
Chronic Effects:				
Mutagenicity:	No evidence of a mutagenic effect.			
Teratogenicity:	No evidence of a teratogenic effect (birth defect).			
Sensitization:	Evidence of a sensitization effect.			
Reproductive:	No evidence of negative reproductive effects.			
Target Organ Effects:				
Acute:	No data available			
Chronic:	Not listed as a carcinogen by IARC, NTP or OSHA.			

Section 12

Ecological Data

Overview:	This material is not expected to be harmful to the ecology.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	No data
Other Adverse Effects:	No data
Chemical Name	CAS Number
N/A	
	Eco Toxicity

Section 13

Disposal Information

Disposal Methods:	Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.
Waste Disposal Code(s):	Not Determined

Section 14

Transport Information

Ground - DOT Proper Shipping Name:	Air - IATA Proper Shipping Name:
Not regulated for transport	Not regulated for air transport by IATA.

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Section 15

Regulatory Information

TSCA Status:

A component (or components) of this product is not listed on the TSCA Inventory of Existing Chemical Substances. Product is for research and development use only.

Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
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No data available

California Prop 65:

No California Proposition 65 ingredients

Section 16

Additional Information

Revised: 06/10/2024

Replaces: 08/21/2018

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The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
CAS	Chemical Abstract Service Number	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
DOT	U.S. Department of Transportation	ppm	Parts per million
IARC	International Agency for Research on Cancer	RCRA	Resource Conservation and Recovery Act
N/A	Not Available	SARA	Superfund Amendments and Reauthorization Act
		TLV	Threshold Limit Value
		TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health