

Safety Data Sheet

Mannitol Salt Agar



Section 1 Product Description

Product Name: Mannitol Salt Agar
Recommended Use: Science education applications
Synonyms: MSA
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;

Not a dangerous substance according to GHS classification criteria. No known OSHA hazards.

GHS Classification:

Section 3 Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS #</u>	<u>%</u>
Mannitol Salt Agar		100

To the best of our knowledge, neither this product nor its components are hazardous or at concentrations considered hazardous.

Section 4 First Aid Measures

Emergency and First Aid Procedures

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eyes: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin Contact: After contact with skin, wash immediately with plenty of water.
Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5 Firefighting Procedures

Extinguishing Media: Use media suitable to extinguish surrounding fire.
Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Fire and/or Explosion Hazards: Avoid Dusting. May become explosive when dispersed in air.
Hazardous Combustion Products: Carbon dioxide, Carbon monoxide, Sodium Oxides, Sulfur Oxides, Nitrogen oxides

Section 6 Spill or Leak Procedures

No special spill clean-up considerations. Collect and discard in regular trash.

Section 7 Handling and Storage

Storage: Keep container tightly closed in a cool, well-ventilated place.
Suitable for any general chemical storage.
Storage Code: Green - general chemical storage

Section 8 Protection Information

ACGIH

OSHA PEL

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Chemical Name

No data available

(TWA)

N/A

(STEL)

N/A

(TWA)

N/A

(STEL)

N/A

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:

No information available

Section 9

Physical Data

Formula: N/A**Molecular Weight:** N/A**Appearance:** Off-white to tan Semi-solid**Odor:** No data available**Odor Threshold:** No data available**pH:** No data available**Melting Point:** No data available**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:** 0%

Section 10

Reactivity Data

Reactivity:

No data available

Chemical Stability:

Stable under normal conditions.

Conditions to Avoid:

None known.

Incompatible Materials:

Strong oxidizing agents

Hazardous Decomposition Products:

Nitrogen oxides, Sulfur Oxides, Sodium Oxides, Carbon dioxide, Carbon monoxide

Hazardous Polymerization:

Will not occur

Section 11

Toxicity Data

Routes of Entry

Ingestion, Skin contact.

Symptoms (Acute):

No data available

Delayed Effects:

No data available

Acute Toxicity:**Chemical Name**

Mannitol Salt Agar

CAS Number**Oral LD50**Oral LD50 Mouse
4000 mg/kg**Dermal LD50**

Not determined

Inhalation LC50

Not determined

Carcinogenicity:**Chemical Name**

No data available

CAS Number**IARC**

Not listed

NTP

Not listed

OSHA

Not listed

Chronic Effects:**Mutagenicity:**

No evidence of a mutagenic effect.

Teratogenicity:

No evidence of a teratogenic effect (birth defect).

Sensitization:

No evidence of a sensitization effect.

Reproductive:

No evidence of negative reproductive effects.

Target Organ Effects:

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Acute: See Section 2
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	Eco Toxicity
N/A		

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 ground transport by US DOT.	Not regulated for air transport by IATA.

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
No data available		No	No	No	No	No

Section 16 Additional Information

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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