

Safety Data Sheet

Agarose

CAROLINA[®]
www.carolina.com

Section 1

Product Description

Product Name: Agarose
Recommended Use: Science education applications
Synonyms: Agar-agar, neutral gelatin fraction
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>
Agarose, 100%	9012-36-6	100

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: N/A
Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

Section 6

Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled: No adverse health affects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this (M)SDS. Avoid creating and inhaling dust. Avoid contact with skin and eyes.
No special spill clean-up considerations. Collect and discard in regular trash. Reduce airborne dust and prevent scattering by moistening with water Vacuum or sweep up material and place in a disposal container

Section 7

Handling and Storage

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

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Section 8

Protection Information

Chemical Name	ACGIH (TWA) N/A	ACGIH (STEL) N/A	OSHA PEL (TWA) N/A	OSHA PEL (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:	Natural rubber, Neoprene, PVC or equivalent.			

Section 9

Physical Data

Formula: A polysaccharide complex
Molecular Weight: N/A
Appearance: White Powder
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: Slightly 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

Reactivity: No data available
Chemical Stability: Stable under normal conditions.
Conditions to Avoid: None known.
Incompatible Materials: Strong oxidizing agents
Hazardous Polymerization: Will not occur

Section 11

Toxicity Data

Routes of Entry	Inhalation and ingestion.			
Symptoms (Acute):	Respiratory disorders, Eye disorders			
Delayed Effects:	No data available			
Acute Toxicity:				
Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
No data available	9012-36-6	Not determined	Not determined	Not determined
Carcinogenicity:				
Chemical Name	CAS Number	IARC	NTP	OSHA
No data available	9012-36-6	Not listed	Not listed	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.			

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Target Organ Effects:**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

N/A

CAS Number

9012-36-6

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:**

N/A

Air - IATA Proper Shipping Name:

Not regulated for air transport by IATA.

Section 15**Regulatory Information****TSCA Status:**

All components in this product are on the TSCA Inventory.

Chemical Name**CAS Number****§ 313 Name****§ 304 RQ****CERCLA RQ****§ 302 TPQ****CAA 112(2) TQ**

No data available

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No

No

No

No

No

Section 16**Additional Information****Revised:** 04/21/2016**Replaces:** 04/21/2016**Printed:** 07-06-2016

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