Safety Data Sheet

Agarose



Section 1 Product Description

Product Name: Agarose

Recommended Use: Science education applications
Synonyms: Agar-agar, neutral gelatin fraction
Carolina Biological Supply Company
2700 Verk Read Burlington NC 27045

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

 Chemical Name
 CAS #
 %

 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

Agarose Page 1 of 3

Safety Data Sheet

Section 8 Protection Information

ACGIH OSHA PEL

Chemical Name(TWA)(STEL)(TWA)(STEL)No data availableN/AN/AN/AN/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 Vapor Pressure: N/A

Molecular Weight: N/A
Appearance: White Powder
Odor: No data available

Evaporation Rate (BuAc=1): N/A
Vapor Density (Air=1): N/A
Specific Gravity: N/A

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 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 NameCAS NumberOral LD50Dermal LD50Inhalation LC50No data available9012-36-6Not determinedNot determinedNot determined

Carcinogenicity:

Chemical NameCAS NumberIARCNTPOSHANo data available9012-36-6Not listedNot listedNot 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.

Agarose Page 2 of 3

Safety Data Sheet

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 CAS Number Eco Toxicity

N/A 9012-36-6

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: N/A 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 § 313 Name § 304 RQ CERCLA RQ § 302 TPQ CAA 112(2)

Number TQ

No data available 9012-36-6 No No No No No

California Prop 65: No California Proposition 65 ingredients

Section 16 Additional Information

Revised: 08/21/2018 Replaces: 06/15/2018 Printed: 08-25-2018

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 NTP National Toxicology Program

Industrial Hygienists OSHA Occupational Safety and Health Administration

CAS Chemical Abstract Service Number PEL Permissible Exposure Limit

CERCLA Comprehensive Environmental Response, ppm Parts per million

Compensation, and Liability Act RCRA Resource Conservation and Recovery Act
DOT U.S. Department of Transportation SARA Superfund Amendments and Reauthorization Act

IARC International Agency for Research on Cancer TLV Threshold Limit Value

N/A Not Available TSCA Toxic Substances Control Act IDLH Immediately dangerous to life and health

Agarose Page 3 of 3