**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;  

GHS Classification:

Other Safety Precautions: Not a dangerous substance according to GHS classification criteria.  
No known OSHA hazards.

---

**Section 3  Composition / Information on Ingredients**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agarose, 100%</td>
<td>9012-36-6</td>
<td>100</td>
</tr>
</tbody>
</table>

---

**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
Section 8 Protection Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH (TWA)</th>
<th>ACGIH (STEL)</th>
<th>OSHA PEL (TWA)</th>
<th>OSHA PEL (STEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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):

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

Solubility in Water: Slightly Soluble

Specific Gravity: N/A

Vapor Pressure: N/A

Evaporation Rate (BuAc=1): N/A

Vapor Density (Air=1): N/A

Log Pow (calculated): No data available

Autoignition Temperature: No data available

Decomposition Temperature: 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: No data available

CAS Number: 9012-36-6

Oral LD50: Not determined

Dermal LD50: Not determined

Inhalation LC50: Not determined

Carcinogenicity:

Chemical Name: No data available

CAS Number: 9012-36-6

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: See Section 2
  Acute: Not listed as a carcinogen by IARC, NTP or OSHA.
  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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Eco Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>9012-36-6</td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>§ 313 Name</th>
<th>§ 304 RQ</th>
<th>CERCLA RQ</th>
<th>§ 302 TPQ</th>
<th>CAA 112(2) TQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
<td>9012-36-6</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Section 16 Additional Information

Revised: 09/09/2015
Replaces: 08/04/2015
Printed: 10-29-2015

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

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