

# Safety Data Sheet

## Mueller Hinton Agar, Dehydrated

**CAROLINA**<sup>®</sup>  
www.carolina.com

### Section 1

### Product Description

**Product Name:** Mueller Hinton Agar, Dehydrated  
**Recommended Use:** Science education applications  
**Synonyms:** None Known  
**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:** No known OSHA hazards.

**Acute Toxicity Inhalation Dust/Mist Contains** 96.1 % of the mixture consists of ingredient(s) of unknown toxicity

### Section 3

### Composition / Information on Ingredients

| <u>Chemical Name</u>  | <u>CAS #</u> | <u>%</u> |
|-----------------------|--------------|----------|
| Acid Digest of Casein | N/A          | 46.1     |
| Agar                  | 9002-18-0    | 44.7     |
| Beef Extract          | N/A          | 5.3      |
| Starch                | 9005-25-8    | 3.9      |

### 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:** None Known

### Section 6

### Spill or Leak Procedures

**Steps to Take in Case Material Is Released or Spilled:** No health affects expected from the clean-up of this material if contact can be avoided.  
Follow personal protective equipment recommendations found in Section 8 of this (M)SDS  
Poses little or no immediate hazard Avoid dusting.  
Vacuum or sweep up material and place in a disposal container

### Section 7

### Handling and Storage

**Handling:** Avoid creating and inhaling dust.

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

## Section 8

## Protection Information

| Chemical Name | ACGIH        |        | OSHA PEL                                                              |        |
|---------------|--------------|--------|-----------------------------------------------------------------------|--------|
|               | (TWA)        | (STEL) | (TWA)                                                                 | (STEL) |
| Starch        | 10 mg/m3 TWA | N/A    | 15 mg/m3 TWA<br>(total dust); 5<br>mg/m3 TWA<br>(respirable fraction) | 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., Nitrile

## Section 9

## Physical Data

**Formula:** See Section 3

**Molecular Weight:** N/A

**Appearance:** Off-white to tan 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:** 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:

Exposure to moisture

#### Incompatible Materials:

Oxidizing materials

#### Hazardous Decomposition Products:

None Known

#### Hazardous Polymerization:

Will not occur

## Section 11

## Toxicity Data

**Routes of Entry:** Inhalation and ingestion.

**Symptoms (Acute):** N/A

**Delayed Effects:** No data available

#### Acute Toxicity:

##### Chemical Name

**CAS Number**

**Oral LD50**

**Dermal LD50**

**Inhalation LC50**

Agar

9002-18-0

Oral LD50 Mouse  
16000 mg/kg

Starch

9005-25-8

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**Carcinogenicity:****Chemical Name**

Starch

**CAS Number**

9005-25-8

**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:****Acute:**

See Section 2

**Chronic:**

N/A

## 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**

Starch

**CAS Number**

9005-25-8

**Eco Toxicity**

Not available

## 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:**

Not Regulated for Transport

**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**

Starch

9005-25-8

No

No

No

No

No

## Section 16

## Additional Information

**Revised: 09/09/2015****Replaces: 09/03/2014****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**

ACGIH

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

OSHA

PEL

ppm

RCRA

SARA

TLV

TSCA

IDLH

National Toxicology Program

Occupational Safety and Health Administration

Permissible Exposure Limit

Parts per million

Resource Conservation and Recovery Act

Superfund Amendments and Reauthorization Act

Threshold Limit Value

Toxic Substances Control Act

Immediately dangerous to life and health

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