

# Safety Data Sheet

## Yeast Malt Agar, Dehydrated



### Section 1 Product Description

**Product Name:** Yeast Malt 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:** Not a dangerous substance according to GHS classification criteria.  
No known OSHA hazards.

**Acute Toxicity Inhalation Dust/Mist Contains** 75.6 % 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> |
|----------------------|--------------|----------|
| Agar                 |              | 48.8     |
| D-glucose, Anhydrous |              | 24.4     |
| Peptones             |              | 12.2     |
| Malt Extract         |              | 7.3      |
| Yeast Extract        |              | 7.3      |

### 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:** Sodium Oxides, Carbon oxides, Nitrogen oxides

### 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 dusting. Ventilate the contaminated area.  
No special spill clean-up considerations. Collect and discard in regular trash. Avoid creating dusts. Cover material with absorbent and moisten and collect for disposal. Ensure clean-up measures are in compliance with OSHA (29 CFR 1910.120).

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## Section 7 Handling and Storage

**Handling:** Avoid creating and inhaling dust.  
**Storage:** Keep container tightly closed in a cool, well-ventilated place.  
**Storage Code:** Green - general chemical storage

## Section 8 Protection Information

| <u>Chemical Name</u> | <u>ACGIH</u><br><u>(TWA)</u> | <u>(STEL)</u> | <u>OSHA PEL</u><br><u>(TWA)</u> | <u>(STEL)</u> |
|----------------------|------------------------------|---------------|---------------------------------|---------------|
| D-glucose, Anhydrous | N/A                          | N/A           | N/A                             | 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 latex,, Natural rubber, Neoprene, Nitrile, Polyvinyl chloride, Natural rubber, Neoprene, PVC or equivalent.

## Section 9 Physical Data

|                                             |                                                     |
|---------------------------------------------|-----------------------------------------------------|
| <b>Formula:</b> See Section 3               | <b>Vapor Pressure:</b> N/A                          |
| <b>Molecular Weight:</b> N/A                | <b>Evaporation Rate (BuAc=1):</b> N/A               |
| <b>Appearance:</b> White to off-white Solid | <b>Vapor Density (Air=1):</b> N/A                   |
| <b>Odor:</b> Mild Sweet                     | <b>Specific Gravity:</b> N/A                        |
| <b>Odor Threshold:</b> No data available    | <b>Solubility in Water:</b> Soluble                 |
| <b>pH:</b> No data available                | <b>Log Pow (calculated):</b> No data available      |
| <b>Melting Point:</b> 146 C                 | <b>Autoignition Temperature:</b> No data available  |
| <b>Boiling Point:</b> No data available     | <b>Decomposition Temperature:</b> No data available |
| <b>Flash Point:</b> No data available       | <b>Viscosity:</b> No data available                 |
| <b>Flammable Limits in Air:</b> N/A         | <b>Percent Volatile by Volume:</b> N/A              |

## Section 10 Reactivity Data

|                                          |                                               |
|------------------------------------------|-----------------------------------------------|
| <b>Reactivity:</b>                       | No data available                             |
| <b>Chemical Stability:</b>               | Stable under normal conditions.               |
| <b>Conditions to Avoid:</b>              | Dusting. Elevated temperatures                |
| <b>Incompatible Materials:</b>           | Strong oxidizing agents                       |
| <b>Hazardous Decomposition Products:</b> | Nitrogen oxides, Carbon oxides, Sodium Oxides |
| <b>Hazardous Polymerization:</b>         | 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**  
Agar

**CAS Number**

**Oral LD50**  
Oral LD50 Mouse  
16000 mg/kg

**Dermal LD50**

**Inhalation LC50**

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D-glucose, Anhydrous

Oral LD50 Rat  
25800 mg/kg

## Carcinogenicity:

Chemical Name

D-glucose, Anhydrous

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:

Acute:

See Section 2

Chronic:

N/A

## Section 12

### Ecological Data

Overview:

This material is not expected to be harmful to the ecology. Keep out of waterways.

Mobility:

No data

Persistence:

Biodegradation

Bioaccumulation:

No data

Degradability:

No data

Other Adverse Effects:

No data

Chemical Name

D-glucose, Anhydrous

CAS Number

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:

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

D-glucose, Anhydrous

No

No

No

No

No

California Prop 65:

No California Proposition 65 ingredients

## Section 16

### Additional Information

# Safety Data Sheet

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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      |