

## Agar Agar

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### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

Product name : Agar Powder

Product Number : AGAR  
Brand : ChemicalStore.com

CAS-No. : 9002-18-0

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

#### 1.3 Details of the supplier of the safety data sheet

Company : Chemical Store Inc.  
1059 Main Avenue  
Clifton, NJ 07011  
USA

Telephone : +1 973-405-6248  
Fax : +1 973-272-1073

#### 1.4 Emergency telephone number

Emergency Phone # : +1-973-420-4972

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

#### 2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

#### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Synonyms : Gum agar  
Agar-agar  
Agar

CAS-No. : 9002-18-0  
EC-No. : 232-658-1

No ingredients are hazardous according to OSHA criteria.  
No components need to be disclosed according to the applicable regulations.

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact:** Wash off with soap and plenty of water.

**In case of eye contact:** Flush eyes with water as a precaution.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### 4.2 Most important symptoms and effects, both acute and delayed

## Agar Agar

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3 Indication of any immediate medical attention and special treatment needed

no data available

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media Suitable

#### extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture: Carbon oxides

### 5.3 Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

### 5.4 Further information: no data available

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Avoid breathing vapors, mist or gas.

For personal protection see section 8.

### 6.2 Environmental precautions: Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up:

Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections: For disposal see section 13.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place.

Moisture sensitive. Keep in a dry place.

### 7.3 Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters:

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Appropriate engineering controls:

General industrial hygiene practice.

#### Personal protective equipment

##### Eye/face protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the

## Agar Agar

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supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Body Protection:**

The type of protective clothing and equipment must be selected according to the concentration and amount of the dust and work conditions at the specific workplace.

**Respiratory protection:** Use dust mask if dust is present.

**Control of environmental exposure:** Do not let product enter drains.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

- |    |  |                                     |
|----|--|-------------------------------------|
| a) | Appearance                                   | Form: powder Color: beige           |
| b) | Odor   | no data available                   |
| c) | Odor Threshold                               | no data available                   |
| d) | pH   | 5.0 - 7 at 15 g/l at 50 °C (122 °F) |
| e) | Melting point/freezing point                 | no data available                   |
| f) | Initial boiling point and boiling range      | no data available                   |
| g) | Flash point                                  | no data available                   |
| h) | Evaporation rate                             | no data available                   |
| i) | Flammability (solid, gas)                    | no data available                   |
| j) | Upper/lower flammability or explosive limits | no data available                   |
| k) | Vapor pressure                               | no data available                   |
| l) | Vapor density                                | no data available                   |
| m) | Relative density                             | no data available                   |
| n) | Water solubility                             | no data available                   |
| o) | Partition coefficient: n- octanol/water      | no data available                   |
| p) | Auto-ignition temperature                    | no data available                   |
| q) | Decomposition temperature                    | no data available                   |
| r) | Viscosity                                    | no data available                   |
| s) | Explosive properties                         | no data available                   |
| t) | Oxidizing properties                         | no data available                   |

#### 9.2 Other safety information

no data available

### 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** no data available

#### 10.2 Chemical stability:

Exposure to moisture. Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions:** no data available

**10.4 Conditions to avoid:** Exposure to moisture.

## Agar Agar

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**10.5 Incompatible materials:** Strong oxidizing agents

**10.6 Hazardous decomposition products**

Other decomposition products - no data available

In the event of fire: see section 5

### 11. TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects**

**Acute toxicity**

LD50 Oral - rat - 11,000 mg/kg

Inhalation: no data available

Dermal: no data available

no data available

**Skin corrosion/irritation:** no data available

**Serious eye damage/eye irritation:** no data available

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

**Carcinogenicity:**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure:** no data available

**Specific target organ toxicity - repeated exposure:** no data available

**Aspiration hazard:** no data available

### 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** no data available

**12.2 Persistence and degradability:** no data available

**12.3 Bio accumulative potential:** no data available

**12.4 Mobility in soil:** no data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects:** no data available

### 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product.

**Agar Agar**

**14. TRANSPORT INFORMATION**

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

**15. REGULATORY INFORMATION**

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

No SARA Hazards

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

	CAS-No.	Revision Date
Agar	9002-18-0	

**New Jersey Right To Know Components**

	CAS-No.	Revision Date
Agar	9002-18-0	

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**16. OTHER INFORMATION**

**HMIS Rating**

Health hazard: 0

Chronic Health Hazard:

Flammability: 0

Physical Hazard 0

**NFPA Rating**

Health hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

**Further information**

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.