



**SAFETY DATA SHEET**  
AGAR POWDER (FOR BACTERIOLOGY)

**Page:** 1

**Compilation date:** 28/08/2015

**Revision No:** 1

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** AGAR POWDER (FOR BACTERIOLOGY)

**CAS number:** 9002-18-0

**Product code:** GPC5101

**Synonyms:** GUM AGAR  
AGAR-AGAR  
AGAR

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

**Use of substance / mixture:** Manufacture of substances. Laboratory chemicals.

**1.3. Details of the supplier of the safety data sheet**

Select School Supplies  
The Old Granary  
Berghill House  
Oswestry  
SY11 4PD  
01691 770366  
sales@selectschoolsupplies.co.uk

**1.4. Emergency telephone number**

**Emergency tel:** 01691 770366  
(office hours only)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** This product has no classification under CLP.

**2.2. Label elements**

**Label elements:** This product has no label elements.

**2.3. Other hazards**

**PBT:** This product is not identified as a PBT/vPvB substance.

**SAFETY DATA SHEET**  
AGAR POWDER (FOR BACTERIOLOGY)

Page: 2

**Section 3: Composition/information on ingredients**

**3.1. Substances**

**Chemical identity:** AGAR POWDER (FOR BACTERIOLOGY)

**CAS number:** 9002-18-0

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Wash off with soap and plenty of water.

**Eye contact:** Flush eyes with water as a precaution.

**Ingestion:** Never give anything by mouth to an unconscious person. Wash out mouth with water.

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

**4.2. Most important symptoms and effects, both acute and delayed**

**Skin contact:** May be harmful if absorbed through the skin. There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness. The vision may become blurred.

**Ingestion:** May be harmful if swallowed. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation. Exposure may cause coughing or wheezing.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance. Eye bathing equipment should be available on the premises.

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Water spray. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** Carbon oxides.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus.

**Section 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Avoid dust formation Avoid breathing vapours, mist or gas.

**6.2. Environmental precautions**

**Environmental precautions:** Do not let product enter drains.

[cont...]

# SAFETY DATA SHEET

## AGAR POWDER (FOR BACTERIOLOGY)

Page: 3

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.4. Reference to other sections

**Reference to other sections:** For personal protection, see section 8. For waste disposal, see section 13.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** 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

**Storage conditions:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Moisture sensitive.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### 8.1. DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of workday.

**Respiratory protection:** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH

**Hand 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 application laws and good laboratory practises. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Full contact - Material: Nitrile rubber. Minimum layer thickness: 0.11mm. Break through time: 8 hrs. Splash contact - Material: Nitrile rubber. Minimum layer thickness: 0.11mm. Break through time: 8hrs. If used in solution, or mixed with substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves.

[cont...]

**SAFETY DATA SHEET**  
AGAR POWDER (FOR BACTERIOLOGY)

Page: 4

**Eye protection:** Use equipment for eye protection tested and approved under appropriate government standards.

**Skin protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Environmental:** Do not let product enter drains.

## Section 9: Physical and chemical properties

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

**State:** Powder

**Colour:** Beige

**pH:** 5-7 @ 15 g/l

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** Moisture

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** Other decomposition products - no data available.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicity values:**

Route	Species	Test	Value	Units
-------	---------	------	-------	-------

[cont...]

**SAFETY DATA SHEET**  
AGAR POWDER (FOR BACTERIOLOGY)

Page: 5

ORAL	RAT	LD50	11,000	mg/kg
------	-----	------	--------	-------

**Symptoms / routes of exposure**

**Skin contact:** May be harmful if absorbed through the skin. There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness. The vision may become blurred.

**Ingestion:** May be harmful if swallowed. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation. Exposure may cause coughing or wheezing.

**Other information:** RTECS: AW7950000. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** No data available.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** No data available.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company. Offer surplus and non-recyclable solutions to a licensed disposal company.

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

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

[cont...]

**SAFETY DATA SHEET**  
AGAR POWDER (FOR BACTERIOLOGY)

Page: 6

**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Specific regulations:** This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** For this product a chemical safety assessment was not carried out.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.