

# SAFETY DATA SHEET

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<b>Revision Number</b>	2

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name	Agar
Product code	AGAR-S01
Brand	GMExpression
CAS No.	9001-18-0

### 1.2 Other means of identification

No data available

### 1.3 Relevant identified uses and uses advised against

Identified uses: For R&D use only.

Uses advised against: This product should not be used for pharmaceutical, household or other uses.

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

Company: General Molecular Expression Service Pty Ltd. LG21 Waite Building, Waite Road, SA 5064 AUSTRALIA

E-mail: support@gmexpression.com

### 1.5 Emergency telephone

Emergency Phone CHEMTREC, Free call (24/7): 1800 448 465  
CHEMTREC, Int'l (24/7): +61 2 9037 2994

## SECTION 2: Hazards identification

### 2.1 GHS Classification

Not a hazardous substance or mixture.

### 2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

### 2.3 Other hazards - none

## SECTION 3: Composition/information on ingredients

### 3.1 Substance

CAS: 9001-18-0

Synonyms: Agar

No components need to be disclosed according to the applicable regulations.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### **In case of skin contact**

Rinse skin with plenty of water. Immediate medical attention is not required.

#### **In case of eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### **If inhaled**

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

#### **If swallowed**

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

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

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.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### **Suitable extinguishing media**

Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder.

#### **Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides.

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

### 5.4 Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

## SECTION 6: Accidental release measures

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

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, and consult an expert.

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**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

**6.4 Reference to other sections**

For disposal see section 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

For precautions see section 2.2.

**7.2 Conditions for safe storage, including any incompatibilities Storage conditions****Store conditions**

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

**Store class**

Storage class (TRGS 510): 11: Combustible Solids

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.3 no other specific uses are stipulated.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

**8.2 Exposure controls****Appropriate engineering controls**

Change contaminated clothing. Wash hands after working with substance.

**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.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

**Body Protection**

Impervious clothing.

**Respiratory protection**

Required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

**Control of environmental exposure**

Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

A) Physical state	Powder
B) Colour	Light yellow
C) Odour	Odourless
D) Melting point/freezing point	No data available
E) Initial boiling point and boiling range	No data available
F) Flammability (solid, gas)	No data available
G) Upper/lower flammability or explosive limits	No data available
H) Flash point	No data available
I) Autoignition temperature	No data available
J) Decomposition temperature	No data available
K) PH	No data available
L) Viscosity	
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
M) Water solubility	No data available
N) Partition coefficient n-octanol/water:	No data available
O) Vapour pressure	Negligible
P) Density	No data available
Relative density	No data available
Q) Relative vapour density	No data available
R) Particle characteristics	No data available
S) Explosive properties	No data available
T) Oxidizing properties	None

### 9.2 Other safety information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

### 10.2 Chemical stability

Chemically stable under standard ambient conditions (room temperature).  
Exposure to moisture.

### 10.3 Possibility of hazardous reactions

Hazardous reaction has not been reported

### 10.4 Conditions to avoid

Exposure to moisture.

**10.5 Incompatible materials**

No dangerous reaction known under conditions of normal use.

**10.6 Hazardous decomposition products**

In the event of fire: see section 5

**SECTION 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

**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**

No data available

**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

**11.2 Additional Information**

RTECS: AW7950000

After uptake of large quantities: Diarrhoea.

However, when the product is handled appropriately, hazardous effects are unlikely to occur.

Handle in accordance with good industrial hygiene and safety practice.

**SECTION 12: Ecological information****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative 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 Endocrine disrupting properties**  
No data available

**12.7 Other adverse effects**  
No data available

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**  
The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

**SECTION 14: Transport information**

<b>14.1 UN number</b>	ADR/RID: -	IMDG: -	IATA-DGR: -
<b>14.2 UN proper shipping name</b>	ADR/RID:	Not dangerous	
	IMDG:	Not dangerous	
	IATA-DGR:	Not dangerous	
<b>14.3 Transport hazard classes</b>	ADR/RID: -	IMDG: -	IATA-DGR: -
<b>14.4 Packaging group</b>	ADR/RID: -	IMDG: -	IATA-DGR: -
<b>14.5 Environmental hazards</b>	ADR/RID: no	IMDG Marine pollutant: no	IATA-DGR: no

**14.6 Special precautions for user**

**14.7 Incompatible materials**

**Further information**

Not classified as dangerous in the meaning of transport regulations.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation**

**Notification status**

<b>DSL:</b>	All components of this product are on the Canadian DSL
<b>ENCS:</b>	Not in compliance with the inventory - Agar
<b>ISHL:</b>	Not in compliance with the inventory - Agar
<b>KECI:</b>	On the inventory, or in compliance with the inventory
<b>NZIoC:</b>	Not in compliance with the inventory - Agar

**PICCS:** On the inventory, or in compliance with the inventory

## **SECTION 16: Other information**

### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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