



# Material Safety Data Sheet

## Agar

Edition: 21/11/2007

### 1) Identification of substance/preparation and of the company undertaking

Material Agar  
CAS No 9002-18-0  
Company Inoxia Ltd  
PO Box 904  
Guildford  
GU2 8WX  
Tel: 02032 909990  
www.inoxia.co.uk

### 2) Composition

Chemical characterization:

Mixture of two polysaccharides Agarose: 1,4 linked 3,6 anhydro-L-Galactose and 1,3 linked D-Galactose  
Agaropectin: Agarose + Ester sulfate + D-Gluconic acid + Piruvic acid

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### 3) Hazard Identification

Not hazardous by OSHA definition nor WHMIS.

### 4) First Aid Measures

After inhalation Remove to fresh air. If discomfort occurs, seek medical attention.  
After eye contact Flush with water for at least 15 min. If irritation occurs and persists, see a doctor.  
After ingestion If abdominal discomfort occurs, seek medical advice.  
After skin contact Wash with water.  
Note to the doctor This product has a very low toxicity.

### 5) Fire Fighting

Suitable extinguishing media Water, CO<sub>2</sub>, etc.  
Personal protective equipment Do not enter any enclosed or confined fire space without proper protective equipment, such as self-contained breathing apparatus.

### 6) Accidental Release

Personal protective measures None required  
Environmental protection measures None required

### 7) Handling/Storage

Handling No special measures required.  
Storage Store in a dry area for product quality assurance.

### 8) Exposure Controls

Exposure controls Inhalation Non hazardous even in high exposures.  
Skin contact Non hazardous even in high exposures.  
Skin absorption Non hazardous even in high exposures.

	Eye contact	Non hazardous, may cause slight irritation.
	Ingestion	Non hazardous even in high exposures.
Personal protective equipment:		
	Hygiene protection	Keep away from food and drink. Follow good industrial hygiene practice.
	Respiratory protection	If very dusty, wear dust mask.
	Eye protection	Safety goggles.
	Hand/body protection	Not required.

**9) Physical/Chemical Properties**

Form	Powder
Colour	-
Odour	Slight marine odor
Melting point/range	Not applicable (n.a.)
Boiling point	N/A
Flash point	N/A
Ignition temperature	N/A
Explosive properties	N/A
Vapor pressure	N/A
Density	N/A
Water solubility	Insoluble in cold water, soluble in boiling water
pH-Value	1% solution: 6.0 – 9.0

**10) Stability/Reactivity**

Thermal stability	Stable
Hazardous decomposition. Products	None known

**11) Toxicological Info**

No toxicological data available.

**12) Ecological Information**

No ecological data available.

**13) Disposal Consideration**

Dispose in accordance with local and national regulations.

**14) Transport Information**

Not considered hazardous material according to transportation regulations.

**15) Regulatory Information**

Declaration: According to the available data, this product is not a hazardous product according to the chemical law in the EC or the present edition of the decree for hazardous substances.

**16) Other Information**

This information is for health and safety guidance only, is not a material specification, and does not constitute the user's own assessment of suitability, and workplace risk as required by any other Health and Safety legislation. It is accurate to the best of our knowledge and belief, but since the conditions of handling and use are outside our control we make no guarantee of results, and assume no liability for damages incurred by use of this material.