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

1.1. Product identifier

Identification of the product : Raw material
 Product code : AGA01 – AGA04
 Trade name : Agar
 CAS number : 009002-18-0

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

1.2.1 Relevant identified uses : For research purposes only
 1.2.2 Uses advised against : No additional information available

1.3. Details of the supplier of the safety data sheet

Company identification : **Formedium Ltd.**
 Unit 1B Hunstanton Commercial Park
 Norfolk PE365JQ
 Tel: +44(0)1485 609069
 Fax: +44(0)1485 600510
 E-mail: info@formedium.com

1.4. Emergency telephone number

Emergency telephone number : Tel: +44(0)1485 609069 (local time : 9.00 to 17.00)
 National Poison Information Centre : Europe UK : +44 0845 4647 (this service is only available to health professionals)
 See www.toxbase.org for a local poison centre

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

:


Classification according to Regulation (EC) No 1272/2008
 Not regulated

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008
 Hazards pictograms code : None
 Precautionary statements : None

2.3 Other hazards

None under normal conditions. :.

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SECTION 3 Composition/information on ingredients

Components : This product is not classified as hazardous.

Substance name:	Contents	CAS No:	EC No:	Annex No:	Ref REACH	Classification
Agar Agar	100%	9002-18-0	232-658-1	--	--	Not classified

SECTION 4 First aid measures

4.1. Description of first aid measures

- General information** : Seek medical attention if ill effect develops.
- Inhalation** : Remove victim to fresh air.
- Skin contact** : Flush with plenty of water.
- Eye contact** : Rinse with water.
- Ingestion** : Seek medical attention if ill effect develops, Give water to drink.

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

Symptoms and effects, both acute and delayed. : No data available.

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

Medical attention and special treatment needed. : No data available.

SECTION 5 Fire-fighting measures

5.1. Extinguishing media


- Extinguishing media** : Carbon dioxide (CO₂), Dry powder.
- Suitable extinguishing media** : Water spray, alcohol-resistant foam or Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

When heated to decomposition, emits toxic fumes. NO_x

5.3. Advice for firefighters

- Protection against fire** : Wear proper protective equipment.
- Special procedures** : Avoid (reject) fire fighting water to enter environment.

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SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Technical measures : Use good housekeeping practices to avoid rendering dust airborne.

6.2 . Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Clean up methods : Dispose in a safe manner in accordance with local / national regulations.
Sweep up dry powder and dispose properly.

6.4. Reference to other sections

For disposal see section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

General : Store in a dry, well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool area.
Store at room temperature.

7.3. Specific end use(s)

Specific end use(s) : For research purposes only

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available.

8.2. Exposure controls

- **Eye protection** : Safety glasses.
- **Skin protection** : Wear suitable protective clothing.
- **Hand protection** : In case of repeated or prolonged contact wear gloves.
- **Respiratory protection** : Where excessive dust may result, wear approved mask. Type P1 (EN143)

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties.

• **Appearance**

Physical state at 20°C : Powder

Colour : Light yellow to white.

Odour : Characteristic

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SECTION 9 Physical and chemical properties (continued)

Odour threshold	: No data available.
pH	: 6 - 8
pH solution	: 5 – 7.5 % (5% solution)
Melting point / Freezing point	: No data available.
Boiling point (°C)	: No data available.
Flash point (°C)	: > 250°C
Evaporation rate (ether=1)	: No data available.
Flammability range (vol % in air)	: No data available.
Explosion limits	: No data available.
Vapour pressure	: No data available.
Relative vapour density (air = 1)	: No data available.
Relative Density	: No data available.
Solubility in water	: Good.
Log P octanol / water at 20°C	: No data available.
Auto ignition temperature (°C)	: No data available.
Thermal decomposition (°C)	: No data available.
Explosive properties	: No data available.
Oxidising properties	: No data available.

9.2 Other information

No additional information available

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SECTION 10 Stability and reactivity

10.1. Reactivity

Stable under normal conditions, handling and use.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Stable.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Materials to avoid : Strong oxidizers.

10.6. Hazardous decomposition products

Hazardous decomposition products : Carbon dioxide (CO₂), Carbon monoxide.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Toxicity information : This product is non-hazardous.

Rat oral LD50 (mg/Kg) : 11000

SECTION 12 Ecological information

12.1. Toxicity

No data available.

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

No data available.

Ecological effects information : No data available.

