

**MATERIAL SAFETY DATA SHEET**

Product Name: Agar-agar

CAS No.: 9002-18-0

Version: 0

**1. Identification**

**Product Code** : 90305  
**Company Name** : Advent Chembio Private Limited  
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**Company Phone Number** : 022-27690837

**2. Composition/Information on Ingredients**

Ingredient	CAS No	Percent
AGAR-AGAR	9002-18-0	90-100 %

**3. Hazards Identification****Hazard classification**

Emergency Overview : As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Health Rating : 0 - None  
Flammability Rating : 0 - None  
Reactivity Rating : 0 - None  
Contact Rating : 0 - None

**Potential Health Effects** :

Inhalation : No adverse health effects via inhalation.  
Ingestion : Not expected to be a health hazard via ingestion.  
Skin Contact : Not expected to be a health hazard from skin exposure.  
Eye Contact: : Not expected to be a health hazard.  
Chronic Exposure : No adverse health effects expected.  
Aggravation of Pre-existing Conditions : No information found.

**4. First Aid Measures**

**General information** : Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance.

**Ingestion** : Not expected to require first aid measures. If large amounts were swallowed, give water to drink and get medical advice.

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- Inhalation** : Not expected to require first aid measures. Remove to fresh air. Get medical attention for any breathing difficulty.
- Skin contact** : Not expected to require first aid measures. Wash exposed area with soap and water. Get medical advice if irritation develops.
- Eye contact** : Not expected to require first aid measures. Wash thoroughly with running water. Get medical advice if irritation develops.

**5. Fire fighting measures**

- Fire** : Not considered to be a fire hazard.
- Explosion** : Not considered to be an explosion hazard.
- Fire Extinguishing Media:** : Use any means suitable for extinguishing surrounding fire.
- Special Information:** : Use protective clothing and breathing equipment appropriate for the surrounding fire

**6. Accidental Release Measures**

- Personal precautions** : Keep unnecessary personnel away. Keep upwind. Ventilate the area. Avoid inhalation of dust from the spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Environmental precautions** : Prevent further leakage or spillage if safe to do so.
- Methods for containment** : ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Prevent entry into waterways, sewer, basements or confined areas.
- Methods for cleaning up** : Avoid dust formation.  
Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Large Spills: Collect dust or particulates using a vacuum cleaner with a HEPA filter. Reduce airborne dust and prevent scattering by moistening with water.  
Never return spills in original containers for re-use. Clean contaminated surface thoroughly. Clean up in accordance with all applicable regulations.

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**7. Handling and Storage**

- Precautions for safe handling** : Keep formation of airborne dusts to a minimum. Dust may form explosive mixture with air. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Wash thoroughly after handling.
- Conditions for safe storage, including any incompatibilities** : Keep container tightly closed. Store in a well-ventilated place.

**8. Exposure Controls Personal Protection**

- Airborne Exposure Limits** : None established.
- Ventilation System:** : Not expected to require any special ventilation
- Personal Respirators (NIOSH Approved)** : Not expected to require personal respirator usage.
- Skin Protection** : Wear protective gloves and clean body-covering clothing
- Eye Protection** : Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

**9. Physical and Chemical Properties**

- Appearance** : Transparent strips, or thin translucent membranous pieces, or white to pale buff fine or coarse powder.
- Odor** : Odorless.
- pH** : No information found.
- Melting point/freezing point** : No information found.
- Initial boiling point and boiling range** : No information found.
- Flash Point** : No information found.
- Vapor pressure** : No information found.
- Vapor density** : No information found.
- Specific gravity** : No information found.
- Solubility in water** : Negligible (< 0.1%)
- Solubility (other)** : No data available.
- Formula** : Not applicable.
- Molecular Weight** : Not applicable.

**10. Stability and Reactivity**

- Stability** : Stable under ordinary conditions of use and storage.
- Hazardous Decomposition** : Carbon dioxide and carbon monoxide may form when heated to

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**Products** : decomposition  
**Hazardous Polymerization** : Will not occur  
**Incompatibilities** : Strong oxidizers.  
**Conditions to Avoid** : Moisture and incompatibles

**11. Toxicological Information**

Agar-agar : 11 gm/kg rat oral LD50. Investigated as a tumorigen

**12. Ecological Information**

**Environmental Fate:** : No information found.  
**Environmental Toxicity:** : No information found

**13. Disposal consideration**

**Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws.  
**Contaminated packaging** : Offer rinsed packaging material to local recycling facilities. Since emptied containers retain product residue, follow label warnings even after container is emptied.

**14. Transport Information**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>			Not Regulated		
<b>IMDG</b>			Not Regulated		
<b>IATA</b>			Not Regulated		

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**15. Regulatory Information**

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

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. Other Information**

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Version :0

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