

Section 1. Chemical identification

Name: Agar powder

Section 2. Composition/information on ingredients

CAS #:9002-18-0

EINECS NO:232-658-1

Synonyms

Agar-Agar; Agar Flake; Agar-Agar Gum; Bengal; Bengal Gelatin; Bengal Isinglass; Ceylon; Ceylon Isinglass; Chinese Isinglass; Digenea Simplex Mucilage; Gelose; Japan Agar; Japan Isinglass; Layor Carang;

Section 3. Hazards identification

Data not available

Section 4. First aid measures

In case of contact with eyes, immediately flush eyes with copious amounts of water for at least 15 minutes, and seek medical advice. Assure adequate flushing of the eyes by separating the eyelids with fingers.

In case of contact with skin, immediately wash with soap and copious amounts of water.

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Wash contaminated clothing before reuse.

Section 5. Fire fighting measures

Extinguishing media, Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special fire fighting procedures, Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosions hazards, Emits toxic fumes under fire conditions.

Section 6. Accidental release measures

- Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
- Sweep up, place in a bag and hold for waste disposal.
- Avoid raising dust.

- Ventilate area and wash spill site after material pickup is complete.

Section 7. Handling and storage

Store in **GREY** area.

Refer to Section 8.

Section 8. Exposure controls/personal protection

- Chemical safety goggles.
- Compatible chemical-resistant gloves.
- Approved respirator EN143
- Safety shower and eye bath.
- Mechanical exhaust required.
- Avoid inhalation.
- Avoid contact with eyes, skin and clothing.
- Avoid prolonged or repeated exposure.
- Wash thoroughly after handling.
- Keep tightly closed.
- Store in a cool dry place.



Goggles



**Protective
clothing**



**Wash
hands**

Section 9. Physical and chemical properties

Appearance and odour

Beige powder

Section 10. Stability and reactivity

Incompatibilities

- Strong oxidizing agents
- Protect from moisture.

Hazardous combustion or decomposition products

Toxic fumes of: carbon monoxide, carbon dioxide

Section 11. Toxicological information

Acute effects

- May be harmful by inhalation, ingestion, or skin absorption.

- May cause eye irritation.
- May cause skin irritation.

Toxicity data

- orl-rat LD₅₀: 11 gm/kg

Section 12. Ecological information

Data not yet available.

Section 13. Disposal considerations

- Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
- Observe all European Irish and Local Environmental Regulations.

Section 14. Transport information

Contact chemical supplier for transportation information.

Section 15. Regulatory information

Section 16. Other information

This MSDS has been prepared in DkIT and is designed for Irish Second Level School Science Laboratories use only where quantities handled are less than 50g. The above information is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. Every effort has been made to ensure that this information provided conforms with the latest available data. DkIT, the Department of Education & Science, Limerick Education Centre, Sigma, Aldrich, Fluka, Dr. Dunlevy or Ms. F. Dunlevy shall not be held liable for any information errors in this MSDS or for any damage resulting from handling or from contact with the above product.

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REFERENCES

Sigma Aldrich Fluka MSDS CD-ROM
Sax CD-ROM
MSDS on Internet