



MATERIAL SAFETY DATA SHEET

AGAROSE

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1. Identity of the substance and manufacturer

✓ *Name of the substance or preparation*

Agarose

✓ *Manufacturer/supplier identification*

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2. Composition/information about the components

✓ *Product name*

Agarose

✓ *Chemical composition*

Linear polymer formed of repeating units of D-Galactose and 3,6 anhydro-L-Galactose with alternate 1,4 and 1,3 bonds.

3. Hazards

- ✓ This material is not considered hazardous to health, but should only be used in association with suitable hygiene and safety practices.

4. First Aid

- ✓ *Inhalation:* remove to fresh air. If there are problems, seek medical assistance.
- ✓ *Skin contact:* wash with excess water. If irritation is persistent, seek medical assistance.
- ✓ *Eye contact:* wash copiously with water for up to 15 minutes. If there is a persistence irritation, seek medical assistance.
- ✓ *Ingestion:* if there is abdominal discomfort, seek medical assistance.

5. In case of fire

✓ *Appropriate methods of extinguishing*

For fires concerning this material, do not enter or allow anyone to enter any enclosed area without proper breathing equipment.

To extinguish the fire, use water, CO₂, etc.

Does not release dangerous substances upon burning.

6. In case of spillage

✓ *Personal precautions*

Avoid inhaling the powder. Use respiratory protection if there is a lot of dust.

✓ *Cleaning methods*

Take practical precautions to limit the amount of dust. Sweep up a spilt powder.

7. Handling and storage

✓ *Handling*

Avoid creating dust. Avoid tearing bags.

✓ *Storage*

Keep storage areas dry to protect product quality.

8. Exposure controls and protection

✓ *Exposure limit*

Not known.

✓ *Exposure Control*

Respiratory protection: no significant risk. If there is an excessive accumulation of powder, use respiratory protection equipment.

Eye protection: use appropriate eye protection; use goggles to prevent contact.



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9. Physical and chemical properties

Form: powder
Color: white
Odor: faint marine smell

pH value at 1% solution: 5.5 – 8.0
Boiling point: not applicable
Ignition point: not applicable
Flammability: not applicable
Explosive properties: not applicable
Combustion properties: not applicable
Vapor pressure: not applicable
Relative Density: not applicable
Solubility in water: 5% maximum by weight

Coefficient of distribution:
n-octane/water: not applicable

Viscosity: not applicable
Vapour density: not applicable
Evaporation rate: not applicable
Density: approximately 0.5 g/cm³

10. Stability and reactivity

- ✓ *Conditions to be avoided*
No risk if used for specified purpose.
- ✓ *Hazardous breakdown products*
None.

11. Toxicological information

Not hazardous, even at high levels, for inhalation, skin contact, skin absorption or ingestion. Not hazardous in contact with the eyes but at high exposure may cause irritation.

High concentration of the powder in the workspace may seriously reduce visibility and cause dust to settle in the eyes and nasal passages.

12. Ecological information

If handled correctly there are no ecological problems.

13. Disposal conditions

No special requirements. It is the responsibility of the user to observe all laws, rules and regulations, whether local, regional or national.

14. Transport information

Not considered a hazardous material.

For more information about Agarose and another products visit our website at www.bioamerica-inc.com