



Material Safety Data Sheet

Agarose - electrophoresis grade

1. IDENTIFICATION OF THE PREPARATION/SUBSTANCE AND OF THE COMPANY

Preparation Name: Agarose - electrophoresis grade

Catalogue number of the product: SA002-0100

Use of the preparation:

For laboratory use.

Company identification:

Simply Biologics, Inc.

Website: www.simplybiologics.com

2. HAZARDS IDENTIFICATION

GHS - Classification

Signal Word None

Health hazards None

Physical hazards Not classified

Hazard Statements Not Applicable

Precautionary Statements

Prevention Not Applicable

Response Not Applicable

Storage Not Applicable

Disposal Not Applicable

Other hazards Not Applicable

HMIS

Health 0

Flammability 0

Reactivity 0

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	EINECS-No	Weight %
Agarose	9012-36-6	-	60-100

The product contains no substances which at their given concentration, are considered to be hazardous to health.

4. FIRST-AID MEASURES

Skin contact	Rinse cautiously with water for several minutes. If symptoms occur, obtain medical advice.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
Inhalation	Remove to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.
Notes to physician	Treat symptomatically.

5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical
Unsuitable extinguishing media	Wear self-contained breathing apparatus and protective suit.



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protection equipment.
Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Environmental precautions None May be harmful if swallowed. Prevent further leakage or spillage if safe to do so.
See Section 12 for more information.

7. HANDLING AND STORAGE

Handling Always wear recommended Personal Protective Equipment. No special handling advices are necessary
Storage Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Agarose	none	none	none	none

Engineering measures	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection	Impervious gloves.
Eye contact	Wear safety glasses with side shields (or goggles).
Skin and body protection.	Lightweight protective clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	powder	
Appearance	No information available	
Odor	No data available	
Odor threshold	No data available	
Boiling point / boiling range	°C No data available	°F No data available
Melting point / melting range	°C No data available	°F No data available
Flash point	°C No data available	°F No data available
Autoignition temperature	°C No data available	°F No data available
Oxidizing properties	No information available	
Water solubility	No data available	
Viscosity	No data available	

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Materials to avoid	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	None under normal use conditions.
Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Agarose	No data available	No data available	No data available



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Principle Routes of Exposure Potential Health Effects

Eyes	May cause eye irritation with susceptible persons
Skin	May cause skin irritation in susceptible persons
Inhalation	May be harmful by inhalation
Ingestion	May be harmful if swallowed

Carcinogenic effects	None
Mutagenic effects	None
Reproductive toxicity	None
Sensitization	None

Target Organ Effects
No known effects under normal use conditions

12. ECOLOGICAL INFORMATION

Ecotoxicity	No information available
Mobility	No information available
Biodegradation	Inherently biodegradable
Bioaccumulation	Material does not bioaccumulate

13. DISPOSAL CONSIDERATIONS

Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA	
Proper Shipping Name	No dangerous good in sense of these transport regulations
Hazard Class	None
Subsidiary class	None
Packing group	None
UN-No	None

15. REGULATORY INFORMATION

Component	TSCA
Agarose 9012-36-6 (60-100)	Listed

US Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

US State Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
	- RTK	- RTK	- RTK	- RTK	- RTK
Agarose	-	-	-	-	-

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Simply Biologics, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.