

Section 1 - Product and Company Information

Product Name: **Jacalin/Agarose**

Cat. Code: gel-jac-2, gel-jac-5
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San Diego, California 92121, USA
(+1) 858 457 5873

Company identification:
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Section 2 - Composition/Information on Ingredient

Jacalin/Agarose containing 0.08% w/v sodium azide

Ingredient	CAS No.	EC No.	Classification
Jacalin protein	N/A	N/A	-
Agarose	39346-81-1	N/A	-
Sodium azide	26628-22-8	247-852-1	T+, R28,S28, S45

Section 3 – Hazards Identification

Emergency Overview: OSHA Hazards: Highly Toxic (USA). Very Toxic (EU). Very toxic by inhalation, contact with skin and if swallowed. Readily absorbed through skin. Target organ effect. Target organ(s): Nerves, heart, brain.

HMIS Classification: Health Hazard 4, Chronic Health Hazard *, Flammability Hazard 0, Reactivity Hazard 0

NFPA Rating: Health Hazard 4, Fire 0, Reactivity Hazard 0

Potential Health Effects

- **Eye contact:** May cause eye irritation.
- **Skin contact:** May cause skin irritation.
- **Skin absorption:** Very toxic if absorbed through the skin.
- **Inhalation:** Very toxic if inhaled. May cause respiratory tract irritation.
- **Ingestion:** Very toxic if swallowed.

Section 4 – First Aid Measures

General advice: Consult a physician. Show this material safety data sheet to the doctor in attendance.

After skin contact: Immediately wash skin with soap and plenty of water. Consult a physician.

After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth with water provided person is conscious. Consult a physician.

After inhalation: Remove to fresh air. If not breathing give artificial respiration. Consult a physician.

After eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

Section 5 – Fire Fighting Measures

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

Special Firefighting Procedures: N/A

Flammability: N/A

Unusual Fire and Explosions Hazard (s): N/A

Flash point: N/A

Auto-ignition Temp: N/A

Section 6 – Accidental Release Measures

Personal precautions: Wear protective equipment. Keep unprotected persons away. Avoid dust formation.

Method for cleaning up: Absorb on sand or vermiculite and place in closed containers for disposal. Dispose contaminated material as waste according to section 13. Ventilate area and wash spill site after material clean-up is complete.

Section 7– Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

User Exposure: Avoid inhalation. Use personal protective equipment (i.e. impermeable gloves, lab coat or apron).

Storage: Keep tightly closed. Store at 4°C. DO NOT FREEZE.

Section 8 – Exposure Controls / PPE

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Hand: Protective gloves to prevent skin contact. **Eye:** Chemical safety goggles

General Hygiene Measures: Wash hands thoroughly after handling.

Section 9 – Physical / Chemical Properties

Physical State: Liquid, gel slurry

Section 10 – Stability and Reactivity

Stability: Stable

Hazardous Polymerization: N/A

Materials to avoid: Strong oxidizing agents, acids, lead and copper

Hazardous Decomposition Products: N/A.

Section 11 – Toxicological Information

Acute toxicity:

Sodium Azide

LD50 Oral: 27 mg/kg rat

LD50 Intraperitoneal: N/A

LD50 Intravenous: N/A

Primary irritant effect: N/A

Sensitization: N/A

Target Organ: Nerves, heart, brain.

Additional toxicological information: N/A

Section 12 – Ecological Information

Ecotoxicity: Data not yet available.

Mobility: Data not yet available.

Biodegradation: Data not yet available.

Bioaccumulation: Data not yet available.

Section 13 – Disposal Considerations

Product: Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Must not be disposed of together with household garbage.

Contaminated Packaging: Dispose of as unused product.

Section 14 – Transport Information

DOT (US): Non-hazardous for transport.

IATA: Non-hazardous for transport.

IMDG: Non-hazardous for transport.

Section 15 – Regulatory Information

OSHA HAZARDS (US): Highly Toxic (USA). Very Toxic (EU). Very toxic by inhalation, contact with skin and if swallowed. Readily absorbed through skin. Target organ effect. Target organ(s): Nerves, heart, brain.

DSL Status: This product contains the following component that is on the Canadian DSL list.

Sodium azide CAS no.: 26628-22-8

The following component is on the Canadian NDSL list.

Agarose CAS no.: 39346-81-1

SARA 302 Component: Sodium azide.

SARA 313 Component: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute health hazard. Chronic health hazard.

U.S. State Regulations

Chemical Name	Massachusetts RTK	New Jersey RTK	Pennsylvania RTK
Sodium azide	X	X	X
Agarose	-	X	X

Labeling and risk phrase according to EU Directives:

Hazard Symbol: T+ Very toxic

R28: Very toxic if swallowed.

S28: After contact with skin, wash immediately with plenty of soap-suds.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

Section 16 – Other Information

Disclaimer: All InvivoGen products are supplied for research and laboratory use only. Not for drug, household or other uses.

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