Material Safety Data Sheet

SECTION I: Product and Company Identification

1.1 Product identifiers

Product name: Protein G-Agarose
Product Number: A1023
Brand: MEDNA

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For research use.

1.3 Details of the supplier of the safety data sheet

Company : MEDNA Scientific, Inc.
9160 Sterling Street, Suite 110
Irving, TX 75063
Office: 469-250-4424

Emergency phone number: 469-250-4424

SECTION II: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Not applicable.

2.2 GHS Label elements, including precautionary statements

Not dangerous.

2.3 Other hazards

No additional information available.

SECTION III: Composition/information on ingredients

Component	Cas#	EC#	%by weight
Sodium Azide	26628-22-8	247-852-1	<0.1%

No ingredients are hazardous according to OHSA criteria.

SECTION IV: First aid measures

4.1 Description of first aid measures

If inhaled

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention

In case of skin contact

Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In case of eye contact

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

If swallowed

Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

4.2 Important Symptoms and Effects, Both Acute and Delayed:

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION V: Firefighting measures

5.1 Flammable properties

Not flammable.

5.2 Flash point

Not determined.

5.3 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

None known

5.4 Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear to prevent contact with skin and eyes. Keep upwind of fire.

SECTION VI: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

6.2 Environmental precautions

Prevent material from entering drains and water courses.

6.3 Methods and materials for containment and cleaning up

Contain spill and collect, as appropriate.

Transfer to a chemical waste container for disposal in accordance with local regulations

SECTION VII: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Store according to product label.

SECTION VIII: Exposure controls/personal protection

8.1 Control parameters

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.2 Exposure controls

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits

Personal protective equipment

Eye/face protection

Safety glasses or goggles are recommended when handling product.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

Not normally needed. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls

Maintain levels below Community environmental protection thresholds

Other information

Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION IX: Physical and chemical properties

9.1 Basic physical and chemical properties

a) Appearance Form: Colorless
b) Odor: No data available
c) Odor threshold: No information available
d) pH: No information available.
e) Physical state at 20 degrees C: Liquid
f) Flash point: No information available
g) Decomposition temperature: No information available.
h) Flammability limits in air: No information available.
i) Explosion limits: No information available.
j) Specific gravity: No information available.
k) Solubility: No information available.
l) Evaporation rate: No information available
m) Vapor Pressure @20°C (kPa): No information available
n) Vapor density: No data available
o) VOC Content(%): Not applicable

9.2 Other safety information

No data available

SECTION X: Stability and reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Acidic pH

10.5 Incompatible materials

Strong oxidizers. May react with lead and copper plumbing to form highly explosive metal azides.

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide, nitrogen oxides.

SECTION XI: Toxicological information

11.1

Acute toxicity: Not classified.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation: May cause respiratory tract irritation.
Symptoms/injuries after skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion: May be harmful if swallowed. May cause irritation of the throat.

SECTION XII: Ecological information

12.1 Toxicity

This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.6 Other adverse effects

No data available

SECTION XIII: Disposal considerations

13.1 Waste treatment methods

Product

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation

Contaminated packaging

Do not reuse empty containers.

SECTION XIV: Transport information

DOT (US)

Not dangerous goods

RID/ADR

Not regulated

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION XV: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

TSCA (Toxic Substances Control Act): Not applicable

SARA302: No chemicals in this material are subject to the reporting requirements.

SARA313: No chemicals in this material with known CAS #s are subject to the reporting requirements.

SARA311/312: Hazards - No SARA Hazards.

California Proposition 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been made for this product.

SECTION XVI: Other information

Further 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. The information in this document is based on the present state of our knowledge and is applicable to the product regarding appropriate safety precautions. It does not represent any guarantee of the properties of the product. MEDNA Scientific shall not be held liable for any damage resulting from handling or from contact with the above product.

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