



Aldehyde Agarose Beads

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Revision date: 03/29/2018 Version: 03

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product Identifier**

Product name: Aldehyde Agarose Beads  
Product form: Mixture  
Product #: AA-101

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

Use of the substance/mixture: Laboratory reagent for *in vitro* research use only

**1.3 Details of the supplier of the safety data sheet**

Amid Biosciences LLC  
3060 Coronado Drive  
Santa Clara, CA 95054 USA  
Phone: 1-650-237-0558  
E-mail: info@amidbiosciences.com

**1.4 Emergency telephone number**

Emergency number: 1-650-237-0558 (Amid Biosciences: Monday-Friday, 8:00AM-5:00PM)

**SECTION 2: Hazards Identification**

**2.1 Classification of the substance or mixture**

**Classification (GHS-US)**

Not classified

**2.2 Label elements**

**GHS-US labeling**

No labeling applicable

**2.3 Other hazards**

Other hazards not contributing to the classification: None under normal conditions

**2.4 Unknown acute toxicity (GHS-US)**

No data available

**SECTION 3: Composition/information on ingredients**

**3.1 Substance**

4% Agarose beads in aqueous solution

**3.2 Mixture**

Name	Product Identifier	%
Agarose (CAS# 9012-36-6) Contains no other hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200).	Ingredient in product: agarose	4

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

First-aid measures general: never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: remove to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact: IF ON SKIN (or clothing), remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation persists, call a physician

First-aid measures after eye contact: IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Obtain medical attention if pain, blinking or redness persists.



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First-aid measures after ingestion: IF SWALLOWED: Immediately give large amounts of water.  
Do NOT induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed**

Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.  
Symptoms/injuries after inhalation: May cause respiratory irritation.  
Symptoms/injuries after skin contact: May cause skin irritation.  
Symptoms/injuries after eye contact: May cause slight temporary irritation.  
Symptoms/injuries after ingestion: May cause gastrointestinal irritation  
Chronic symptoms: No data available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No additional information available

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray.

**5.2 Special hazards arising from the substance or mixture**

Fire hazard: Product is not flammable.  
Explosion hazard: Product is not explosive.  
Reactivity: No dangerous reactions known under normal conditions of use.

**5.3 Advice for firefighters**

Firefighting instructions: Use water spray or fog for cooling exposed containers.  
Protection during firefighting: Exercise caution when fighting any chemical fire.  
General measures: Do not dispose of fire-fighting water in the environment.  
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

General measures: No specific emergency measures are required other than good Laboratory hygiene and safety practices.

**6.1.1 For non-emergency personnel**

Protective equipment: Wear Protective equipment as described in Section 8.  
Emergency procedures: Evacuate unnecessary personnel

**6.1.2 For emergency responders**

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

**6.2 Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

**6.3 Methods and material for containment and cleaning up**

For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for cleaning up: Take up liquid spill into inert absorbent material, e.g.: sand, earth, vermiculite. Sweep or shovel spills into appropriate container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.

**6.4 Reference to other sections**

No additional information available

**SECTION 7: Handling and storage**



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**7.1 Precautions for safe handling:**

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**7.2 Conditions for safe storage, including any incompatibilities**

Storage conditions: Keep container tightly closed in a cool, dry, and well-ventilated place.

**7.3 Specific end use(s)**

No additional information available

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

No information on mixture available

**8.2 Exposure controls**

Appropriate engineering controls:

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Gloves. Protective goggles.

Hand protection:

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Natural rubber ("latex"), Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.

Eye protection:

Chemical goggles or safety glasses.

Skin and body protection:

Wear suitable protective clothing. Wear long sleeves.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties of 4% agarose beads. Information on mixture not available.**

Physical state:	Solid
Color:	Clear, colorless
Odor:	Odorless
Odor Threshold:	No data available
pH:	7.4
Relative evaporation rate (butyl acetate=1):	No data available
Melting point:	56°C
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapor pressure:	No data available
Relative vapor density at 20 °C:	No data available
Relative density:	No data available
Solubility:	No data available
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Explosive limits:	No data available

**9.2 Other information**

No additional information available

**SECTION 10: Stability and reactivity**



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**10.1 Reactivity**

No dangerous reactions known under normal conditions of use.

**10.2 Chemical stability**

Stable under recommended handling and storage conditions (see section 7).

**10.3 Possibility of hazardous reactions**

None known.

**10.4 Conditions to avoid**

None known.

**10.5 Incompatible materials**

Dimethyl sulfate, Acid chlorides, Halogenated hydrocarbon, Metals, Acids, Heavy metals

**10.6 Hazardous decomposition products**

Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>).

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Acute toxicity:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
Specific target organ toxicity (single exposure):	No data available
Specific target organ toxicity (repeated exposure):	No data available
Aspiration hazard:	No data available
Symptoms/injuries after inhalation:	No data available
Symptoms/injuries after skin contact:	No data available
Symptoms/injuries after eye contact:	No data available
Symptoms/injuries after ingestion:	No data available
Chronic symptoms:	No data available

**SECTION 12: Ecological information****12.1 Toxicity**

No additional information available

**12.2 Persistence and degradability**

Persistence and degradability: Not established

**12.3 Bioaccumulative potential**

No additional information available

**12.4 Mobility in soil**

No additional information available

**12.5 Other adverse effects**

No additional information available

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.  
Contaminated packaging: Dispose of as unused product.



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**SECTION 14: Transport information**

In accordance with DOT, IATA, IMO, RID/ADR:

Not dangerous goods

**Additional information**

Other information: No supplementary information available

**Transport by sea**

No additional information available

**Air transport**

No additional information available

**SECTION 15: Regulatory information**

**15.1 US Federal regulations**

**SARA 302 Components**

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

**SARA 313:** 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**

No SARA Hazards

**15.2 International regulations**

**CANADA**

No additional information available.

**EUROPEAN REGULATIONS**

European Labeling in accordance with EC Regulations:

Hazard Symbols: None

Risk Phrases: None

Safety Phrases: 24/25, Avoid contact with skin and eyes.

**15.3 US State regulations**

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

Non hazardous component(s) liquid

**New Jersey Right To Know Components**

Non hazardous component(s) liquid

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**SECTION 16: Other information**

Indication of changes: Revision 1.0: New MSDS Created.

Revision date: 02/14/2017

Other information: None

NFPA health hazard: 0-Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard: 0-Materials that will not burn.

NFPA reactivity: 0-Normally stable, even under fire exposure conditions, and are not reactive with water.

**HMIS III Rating**

Health: 0

Flammability: 0

Physical: 0



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This information is disclosed to the best of Amid Biosciences' knowledge. This document does not constitute a contractual relationship with product end users or handlers with respect to the possible presence of hazards in this item. Disposal should be in accordance with applicable regional, national and local laws and regulations.