

## Safety Data Sheet

Revision: 02

Date: May 5, 2023

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**1. Product Identifiers**

Product Name	Hyaluronic Acid/Heparin Mixture
Catalog No	GS217F, GS215F
Brand Name	Heprasil®
CAS No.	9067-32-7 & 9041-08-1

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

Identified Uses	Laboratory reagent
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**3. Details of the supplier of the safety data sheet**

Company	Advanced BioMatrix, Inc. 5930 Sea Lion Place Carlsbad, CA 92010 USA Phone: 1-800-883-8220 1-760-929-0755 outside USA Fax 1-510-217-3452
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**4. Emergency telephone number**

Emergency Phone No.	1-800-883-8220
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### SECTION 2 – HAZARDS IDENTIFICATION

**1. Classification of the substance or mixture**

Not a hazardous substance or mixture.

Classification according to Regulation (EC) No. 1272/2008

**2. GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture.

**3. Hazards not otherwise classified (HNOC) or not covered by GHS – None**

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

**1. Substances**

CAS No.	9067-32-7 & 9041-08-1
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No ingredients hazardous according to Regulation (EC) No. 1272/2008.

No components need to be disclosed according to the applicable regulations.

## SECTION 4 – FIRST AID MEASURES

**1. Eye Contact**

Flush eyes with water as a precaution.

**2. Skin Contact**

Wash off with soap and plenty of water.

**3. Inhalation**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**4. Ingestion**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**5. Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**6. Indication of any immediate medical attention and special treatment needed**

No data available

## SECTION 5 – FIREFIGHTING MEASURES

**1. Extinguishing media**

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

**2. Special hazards arising from the substance or mixture**

Nature of decomposition of products not known.

**3. Advice for firefighters**

Wear self-contained breathing apparatus for firefight if necessary.

**4. Further Information**

No data available

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**1. Personal precautions, protective equipment and emergency procedures**

Avoid dust formation.

Avoid breath vapors, mist or gas.

For personal protection see section 8.

**2. Environmental precautions**

Do not let product enter drains.

**3. Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**4. Reference to other sections**

For disposal see section 13.

## SECTION 7 – HANDLING AND STORAGE

### 1. Precautions for safe handling

Provide appropriate exhaust ventilation at place where dust is formed. For precaution see section 2.2

### 2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 to 10°C.

Heat sensitive.

### 3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

### 1. Workplace control parameters

The product does not contain any substances with occupational exposure limit values.

### 2. Exposure controls

#### Appropriate engineering controls

General industrial hygiene practice.

#### Personal protective equipment

##### Eye/Face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of the contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

##### Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

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If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

## **Body protection**

Choose body protection in relations to its type, to the concentration and amount of dangerous substances, and to the specific work place. The type of protective equipment must be selected according to the concentration and the amount of the dangerous substance at the specific work place.

## **Respiratory protection**

Respiratory protection is not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## **Control of environmental exposure**

Do not let product enter drains.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form

Color

Solid

White

Odor

No data available

Odor threshold

No data available

pH

No data available

Melting point/freezing point

No data available

Initial boiling point and boiling range

No data available

Flash point

No data available

Evaporation rate

No data available

Flammability

No data available

Upper/lower flammability

No data available

Vapor pressure

No data available

Vapor density

No data available

Relative density

No data available

Water solubility

ca. 5 g/l

Partition coefficient: n- octanol/water

No data available

Auto-ignition temperature

No data available

Decomposition temperature

No data available

Viscosity

No data available

Explosive properties

No data available

## SECTION 10 – STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under recommend storage conditions
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible material	Strong oxidizing agents
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

**\*\*In the event of fire: see section 5.\*\***

## SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 Oral - rat - > 800 mg/kg Remarks: Nutritional and Gross Metabolic: Changes in: Other changes. TDLo Oral - rat - 2,275 mg/kg Remarks: Nutritional and Gross Metabolic: Weight loss or decreased weight gain.
Intraperitoneal	Kidney, Ureter, Bladder: Other changes in urine composition. Blood: Changes in leukocyte (WBC) count. Blood: Normocytic anemia.
Inhalation	No data available
Dermal	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available

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IARC

	No components of this product present at levels greater than or equal to 0.1% is identified as known or anticipate carcinogen by IARC.
NTP	No components of this product present at levels greater than or equal to 0.1% is identified as known or anticipate carcinogen by NTP.
OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	No data available
Specific target organ toxicity	
Single exposure	No data available
Repeated exposure	No data available
Aspiration hazard	No data available
Additional information	
RTECS	MT7250000

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

## SECTION 12 – ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effect	No data available

## SECTION 13 – DISPOSAL CONSIDERATIONS

### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

### Contaminated packaging

Dispose of as unused product.

## SECTION 14 – TRANSPORT INFORMATION

ADR  
IMDG  
IATA

Not dangerous goods  
Not dangerous goods  
Not dangerous goods

## SECTION 15 – REGULATORY INFORMATION

SARA 302 Components

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

SARA 313 Components

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  
Massachusetts Right To Know Components

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

Pennsylvania Right To Know Components  
Healon

CAS No. 9067-32-7 & 9041-08-1

New Jersey Right To Know Components  
Healon

CAS No. 9067-32-7 & 9041-08-1

California Prop. 65 Components

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

## SECTION 16 – OTHER INFORMATION

HMIS Rating

Health hazard	0
Chronic Health Hazard	0
Flammability	0
Physical Hazard	0

NFPA Rating

Health hazard	0
Fire Hazard	0
Reactivity Hazard	0

**Further information:**

# ADVANCED BIOMATRIX

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This information has been prepared by Advanced BioMatrix, Inc. 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 with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Advanced BioMatrix, Inc. and its Affiliates shall not be held liable for any damages resulting from handling or from contact with the above product. See [www.advancedbiomatrix.com](http://www.advancedbiomatrix.com) for additional terms and conditions of sale.

## **Preparation Information:**

Advanced BioMatrix, Inc.

1-800-883-8220