



## Safety Data Sheet

Revision: 02

Date: October 5, 2019

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

#### 1. Product Identifiers

Product Name HyStem, Hydrogel Kit  
Catalog No GS310, GS311, GS1004  
Brand Name HyStem®  
CAS No. N/A

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

Identified Uses Laboratory chemicals, Manufacturer of substances

#### 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

#### 4. Emergency telephone number

Emergency Phone No. 1-800-883-8220

### SECTION 2 – HAZARDS IDENTIFICATION

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

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin irritation (Category 2), H315

Serious eye damage (Category 1), H318

Skin sensitisation (Category 1), H317

For the full text of the H-Statements mentioned in this Section, see Section 16.

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

Pictogram



Signal word

Danger

Hazard statement(s)

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H318	Causes serious eye damage.
Precautionary statement(s)	
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P321	Specific treatment (see supplemental first aid instructions on this label).
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P501	Dispose of contents/container to an approved waste disposal plant.

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

<b>SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS</b>
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**1. Substances**

CAS No.	N/A
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No ingredients hazardous according to OSHA criteria.

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

<b>SECTION 4 – FIRST AID MEASURES</b>
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**1. Eye Contact**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Call a physician.

**2. Skin Contact**

Wash skin with copious amounts of water

**3. Inhalation**

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and call a physician.

**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 agent most appropriate to extinguish fire. Suitable: Water spray, carbon dioxide, dry chemical powder, or appropriate form.

**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

Recommended storage -10<sup>o</sup>C to -70<sup>o</sup>C

### 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.

##### 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	No data available
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	No data available
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
Oxidizing 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	No data available
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	
IARC	No data available
ACGIH	No data available
NTP	No data available
OSHA	No data available
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	No data available

\*\*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

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

## SECTION 15 – REGULATORY INFORMATION

REACH No.	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline
SARA 311/312 Hazards	Acute Health Hazards

## SECTION 16 – OTHER INFORMATION

### Kit Components:

Glycosil (GS222, GS 220)

Water, degassed (GS240, GS241)

Extralink (GS3007, GS3006, GS3009, GS3008)

### Further information:

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