



Safety Data Sheet

Revision: 01

Date: March 20, 2017

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1. Product Identifiers

| | |
|--------------|-----------------------------------|
| Product Name | Bovine Collagen Solution, Type II |
| Catalog No | 5196 |
| Brand Name | Type II Collagen |
| CAS No. | 9007-34-5 |

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

Not a hazardous substance or mixture.

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. | 9007-34-5 |
| EC No. | 232-697-4 |

No ingredients hazardous according to OSHA criteria.

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

No special environmental precautions required.

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 - 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.

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. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-------------------|
| Appearance | |
| Form | Liquid |
| Color | Clear |
| 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 | No data available |
| Hazardous decomposition products | Other decomposition products - No data available |

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 component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| ACGIH | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
| 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 | 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

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

No SARA Hazards

Massachusetts Right To Know Components

Collagen

CAS No. 9007-34-5

Pennsylvania Right To Know Components

Water

CAS No. 7732-18-5

Collagen

CAS No. 9007-34-5

New Jersey Right To Know Components

Water

CAS No. 7732-18-5

Collagen

CAS No. 9007-34-5

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:

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 for additional terms and conditions of sale.

Preparation Information:

Advanced BioMatrix, Inc.
1-800-883-8220