

Safety Data Sheet

Revision: 03

Date: April 4, 2023

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1. Product Identifiers

| | |
|--------------|-----------------------------------|
| Product Name | Methacrylated Type I Collagen Kit |
| Catalog No | 5201 |
| Brand Name | PhotoCol® |
| CAS No. | 9007-34-5 |

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

| | |
|-----------------|--------------------|
| Identified Uses | Laboratory Reagent |
|-----------------|--------------------|

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.

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

| | |
|------------------------|-----------|
| Methacrylated Collagen | |
| CAS No. | 9007-34-5 |
| EC No. | 232-697-4 |
| Acetic Acid | |

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| | |
|--|-------------|
| CAS No. | 64-19-7 |
| Phosphate Buffer Saline (PBS) | |
| CAS No. | N/A |
| Irgacure 5929 (2-Hydroxy-4'-(2-hydroxyethoxy)-2-methylpropiophenone) | |
| CAS No. | 106797-53-9 |

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.

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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.

Handle material under Biosafety Level 1 (BSL-1) containment.

Storage class (TRGS 510): Non Combustible

Recommended storage conditions 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.

Body protection

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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 |

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Conditions to avoid

Incompatible material

Hazardous decomposition products

No data available

Strong oxidizing agents

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 | Group 3: Not classifiable as to its carcinogenicity to humans (Hydrochloric acid) |
| 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

| | |
|------|---------------------|
| ADR | 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. 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 313 Components | |

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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