

Safety Data Sheet

Revision: 02

Date: April 4, 2023

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1. Product Identifiers

| | |
|--------------|---------------------------------------|
| Product Name | PhotoHA® Hyaluronic Acid Methacrylate |
| Catalog No | 5220 |
| Brand Name | Hyaluronate, Sodium |
| CAS No. | 9067-32-7 |

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

Substances

Hyaluronate, Sodium

| | |
|---------|-----------|
| CAS No. | 9067-32-7 |
|---------|-----------|

Irgacure 5929 (2-Hydroxy-4'-(2-hydroxyethoxy)-2-methylpropiophenone)

ADVANCED BIOMATRIX

A BICO COMPANY
CAS No.

106797-53-9

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.

1. Environmental precautions

Do not let product enter drains.

2. Methods and materials for containment and cleaning up

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

3. 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

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Minimum layer thickness: 0.11 mm

Break through time: 480 min

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

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 | Solid |
| Color | 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 |

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Viscosity

Explosive properties

Oxidizing properties

No data available

No data available

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

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Carcinogenicity

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 | 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 | No components are subject to the Massachusetts Right to Know Act. |
| Pennsylvania Right To Know Components | |
| Healon | CAS No. 9067-32-7 |
| New Jersey Right To Know Components | |
| Healon | CAS No. 9067-32-7 |
| 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 |

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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