



## SAFETY DATA SHEET

# PhotoHA-INK Stiff

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

### SECTION 1: Identification of the substance / mixture and of the company / undertaking

Date issued 21.06.2022

#### 1.1. Product identifier

Product name PhotoHA-INK Stiff

Article no. D16110025362

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

Use of the substance / preparation Ink for 3D bioprinting

#### 1.3. Details of the supplier of the safety data sheet

##### Distributor

Company name CELLINK Bioprinting AB

Postal address Långfilsgatan 5

Postcode 412 76

City Gothenburg

Country Sweden

Telephone number +4631128700

Email [support@cellink.com](mailto:support@cellink.com)

#### 1.4. Emergency telephone number

Emergency telephone Telephone number: 112

### SECTION 2: Hazards identification

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

In compliance with ATP nr. CLP00-1272/2008

CLP classification, notes None.

#### 2.2. Label elements

## 2.3. Other hazards

### SECTION 3: Composition / information on ingredients

#### 3.2. Mixtures

Composition type	Mixture
Formulation type	PC Gel or paste concentrate

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

General	No information.
Inhalation	Move into fresh air and keep at rest. If respiratory problems, artificial respiration/oxygen.
Skin contact	Remove contaminated clothes and rinse skin thoroughly with water.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Never give liquid to an unconscious person.
Recommended personal protective equipment for first aid responders	No information.

#### 4.2. Most important symptoms and effects, both acute and delayed

General symptoms and effects	No data recorded.
Acute symptoms and effects	No data recorded.
Delayed symptoms and effects	No data recorded.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	No data recorded.
Separate first aid equipment	No data recorded.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
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#### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	No data recorded.
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#### 5.3. Advice for firefighters

Personal protective equipment	No data recorded.
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Fire fighting procedures No data recorded.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures Collect spillage.  
Personal protection measures Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Environmental precautionary measures No data recorded.

### 6.3. Methods and material for containment and cleaning up

Containment No data recorded.  
Clean up No data recorded.

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling No data recorded.

### Protective safety measures

Protective safety measures No data recorded.  
Preventitive measures to protect the environment Do not let product enter drains.

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

Storage Store at specified temperature.

### Conditions for safe storage

Storage temperature Value: 2 -10 °C

### 7.3. Specific end use(s)

## SECTION 8: Exposure controls / personal protection

Comments if preventive industrial medical examinations are to be carried out None.

### 8.1. Control parameters

Control parameters comments No data recorded.

## 8.2. Exposure controls

### Eye / face protection

Required Properties      Wear approved chemical safety goggles where eye exposure is reasonably probable.

### Hand protection

Skin- / hand protection, short term contact      Nitrile gloves are recommended. If signs of wear and tear are noticed then the gloves should be replaced.

Skin- / hand protection, long term contact      Nitrile gloves are recommended.

### Skin protection

Suitable protective clothing      Wear suitable protective clothing as protection against splashing or contamination.

### Respiratory protection

Recommended type of equipment      No recommendation given.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Form	Gel
Physical state	Gel.
Colour	Light (or pale).
Odour	No data recorded.
Flammability	No data recorded.
Solubility	Medium: Water
Oxidising properties	No data recorded.

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity      No specific conditions are likely to result in a hazardous situation.

### 10.2. Chemical stability

Stability      Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Conditions to avoid	Keep cool. Protect from sunlight.
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### 10.5. Incompatible materials

Materials to avoid	Strong oxidising substances.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	Not determined.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	Effect tested: LD50 Route of exposure: Oral Value: > 800 mg/kg Species: Rat Comments: For Methacrylated Hyaluronic Acid
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### Other information regarding health hazards

Acute toxicity, human experience	No data recorded.
General respiratory or skin sensitisation	No data recorded.
General	No data recorded.
Inhalation	No data recorded.
Skin contact	No data recorded.
Eye contact	No data recorded.
Ingestion	No data recorded.
Sensitisation	No data recorded.
Mutagenicity	No data recorded.
Specific target organ toxicity - single exposure, human experience	No data recorded.

### Symptoms of exposure

In case of ingestion	No data recorded.
In case of skin contact	No data recorded.
In case of inhalation	No data recorded.
In case of eye contact	No data recorded.

### 11.2 Other information

## SECTION 12: Ecological information

**12.1. Toxicity**

Ecotoxicity	No data recorded.
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**12.2. Persistence and degradability**

Persistence and degradability description/evaluation	No negative effects on the aquatic environment are known.
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**12.3. Bioaccumulative potential**

Bioaccumulation, evaluation	Bioaccumulation: Is not expected to be bioaccumulable.
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**12.4. Mobility in soil**

Mobility	No data recorded.
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**12.5. Results of PBT and vPvB assessment**

Results of PBT and vPvB assessment	This product does not contain any PBT or vPvB substances.
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**12.6. Endocrine disrupting properties****12.7. Other adverse effects**

Additional ecological information	No data recorded.
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**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Appropriate methods of disposal for the chemical	Confirm disposal procedures with environmental engineer and local regulations.
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Appropriate methods of disposal for the contaminated packaging	Confirm disposal procedures with environmental engineer and local regulations.
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EU Regulations	No data recorded.
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National regulations	No data recorded.
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**SECTION 14: Transport information**

Dangerous goods	No
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**14.1. UN number****14.2. UN proper shipping name****14.3. Transport hazard class(es)****14.4. Packing group****14.5. Environmental hazards**

ADR/RID/ADN	None.
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IMDG	None.
ICAO/IATA	None.

#### 14.6. Special precautions for user

#### 14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk (yes/no)	Yes
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#### ADR/RID Other information

Limited quantity	No data recorded.
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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

Assessed restrictions	None.
Restriction of chemicals according to Annex XVII (REACH)	None.
EU occupational restrictions	No data recorded.
National regulations	No data recorded.

#### 15.2. Chemical safety assessment

Chemical safety assessment	No data recorded.
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### SECTION 16: Other information

Supplier's notes	The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.
Additional information	RTECS: MT7250000
Version	2
URL for technical data	<a href="https://www.cellink.com/product/photoha-ink-stiff/">https://www.cellink.com/product/photoha-ink-stiff/</a>