

## Safety Data Sheet

# CELLINK START

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** CELLINK START

**Product Number:** IK1900005001

**Brand:** CELLINK

**General use:** For use as bioink in 3D Bioprinting, cell encapsulation and delivery, tissue engineering and regenerative medicine, biomedical devices, drug delivery for research. Not for human use, for research only.

**Company Address:**

CELLINK Bioprinting LLC  
100 Franklin St.  
Boston, MA 02110  
USA

CELLINK Bioprinting AB  
Arvid Wallgrens backe 20  
SE41346 Göteborg  
Sweden

1

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**Emergency Telephone Number:**

US:  
+1(833) 235-5465

EU:  
+46 31-128-700

support@cellink.com  
www.cellink.com

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### 2. HAZARDS IDENTIFICATION

**Potential Health Effects:** No significant health effects expected.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous chemical name | CAS# | EC No. | EC Class | Concentration % |
|-------------------------|------|--------|----------|-----------------|
| None                    | N/A  | N/A    | N/A      | N/A             |

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#### 4. FIRST AID MEASURES

**In case of eye contact:** Flush eyes with water as a precaution.

**In case of skin contact:** Wash with soap and plenty of water.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

**If inhaled:** If breathed in, move person into fresh air. If any breathing difficulty or discomfort occurs and persist, obtain medical attention.

**Notes to Medical Doctor:** This product has low oral and inhalation toxicity. It is not skin sensitizer and is non-irritating to the skin and eyes.

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#### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

**Fire/Explosion Hazards:** No data available.

**Fire Fighting Procedures:** Wear self-contained breathing apparatus for firefighting if necessary.

**Flammable Limits:** No data available.

2

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#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:** Avoid dust formation. Avoid breathing vapors, mist or gas.

**Environmental precautions:** Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Sweep up and shovel. Keep in suitable, closed containers for disposal.

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#### 7. HANDLING AND STORAGE

**Precautions for safe handling:** Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Conditions for safe storage:** Keep container tightly closed in a dry and well-ventilated place.

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits:** N/A

**Personal Protection Equipment:** N/A

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## 9. PHYSICAL AND CHEMICAL PROPERTIES.

|                                  |                               |
|----------------------------------|-------------------------------|
| <b>Appearance:</b>               | Blue viscous liquid           |
| <b>Upper/lower flammability:</b> | N/A                           |
| <b>Odor:</b>                     | Slight Fragrance              |
| <b>Vapor Pressure:</b>           | N/A                           |
| <b>Odor Threshold:</b>           | N/A                           |
| <b>Vapor Density:</b>            | N/A                           |
| <b>pH:</b>                       | N/A                           |
| <b>Relative Density:</b>         | 1 g/mL                        |
| <b>Melting Point:</b>            | N/A                           |
| <b>Solubility in Water:</b>      | Water dispersion and solution |
| <b>Boiling Point:</b>            | Around 100°C                  |
| <b>Flash Point:</b>              | N/A                           |
| <b>Evaporation Rate:</b>         | N/A                           |
| <b>Flammability:</b>             | N/A                           |
| <b>Partition Coefficient:</b>    | N/A                           |
| <b>Auto-ignition Temp:</b>       | N/A                           |
| <b>Decomposition Temp:</b>       | N/A                           |
| <b>Viscosity:</b>                | N/A                           |

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## 10. STABILITY AND REACTIVITY

|                             |  |
|-----------------------------|--|
| <b>Conditions to avoid:</b> | None   |
| <b>Reactivity:</b>          | No data available                            |
| <b>Stability:</b>           | Stable under recommended storage conditions. |

**Possibility of hazardous reactions:** No data available.

**Incompatible materials:** None

**Hazardous decomposition products:** None

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## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity:

Oral LD50: No data for the formulation.

Inhalation: No data available.

Dermal: No data available.

**Skin Corrosion/irritation:** No data available.

**Serious eye damage/eye irritation:** No data available.

**Germ cell mutagenicity:** No data available.

### Carcinogenicity:

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as Aldrich - W201502 Page 5 of 6 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.

OSHA: No component 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

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration hazard:** No data available

**Additional Information:** RTECS: Not available.

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## 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 effects:** No data available.

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### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods:**

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product.

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### 14. TRANSPORT INFORMATION

**U.S. Department of Transportation (DOT):** Not dangerous goods

**International Maritime Dangerous Goods (IMDG):** Not dangerous goods

**ADR – European agreement concerning the international carriage of dangerous goods by road**

Additional information: Not regulated.

**Other information:** N/A

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### 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:**  
None

**New Jersey Right To Know Components:**  
None

**California Prop. 65 Components:**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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## **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