



SAFETY DATA SHEET

Xsorb Stock Solution

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 25.05.2023

1.1. Product identifier

Product name Xsorb Stock Solution

CAS No. N/A

EC No. N/A

Article no. 5420-5EA

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

Use of the substance / mixture For use as a bioink for 3D bioprinting, tissue engineering, drug delivery, and microfluidics. Not for human use, for research use only.

1.3. Details of the supplier of the safety data sheet

Distributor

Company name CELLINK Bioprinting AB

Postal address Långfilsgatan 1

Postcode 412 76

City Gothenburg

Country Sweden

Telephone number +4631128700

Email support@cellink.com

1.4. Emergency telephone number

Emergency telephone Telephone number: 112
Description: Emergency services (EU)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

In compliance with ATP nr. CLP00-1272/2008

Substance / mixture hazardous properties	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
--	---

2.2. Label elements

Hazard statements	Not a hazardous substance.
Precautionary statements	Not a hazardous substance.

2.3. Other hazards

PBT / vPvB	Not a hazardous substance.
Health effect	Not a hazardous substance.

SECTION 3: Composition / information on ingredients

3.1. Substances

Substance	Identification	Classification	Contents	Notes
Proprietary			< 20 %	

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. Consult a physician for specific advice.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.
Ingestion	Rinse mouth and drink plenty of water (200-300 ml). Never give liquid to an unconscious person.

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	Extinguish with water fog. Foam, carbon dioxide or dry powder.
------------------------------	--

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	No data recorded.
Hazardous combustion products	Nitrogen oxides (NO _x), Carbon oxides (CO _x), Sulphur oxides (SO _x)

5.3. Advice for firefighters

Personal protective equipment	In case of inadequate ventilation wear respiratory protection.
Fire fighting procedures	Avoid breathing fire vapours. Dike and collect extinguishing water.
Other information	Stop leak if safe to do so. Wear self-contained respirator. Wear fully protective impervious suit.

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	None required.
--------------------------------------	----------------

6.3. Methods and material for containment and cleaning up

Containment	Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Clean up	Flush with plenty of water and detergent to clean spillage area.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	For precautions see section 2.2
----------	---------------------------------

Protective safety measures

Preventitive measures to protect the environment	None required.
--	----------------

7.2. Conditions for safe storage, including any incompatibilities

Storage	Recommended storage temperature. Light sensitive. Keep container tightly sealed in a dry and well-ventilated place. Store in the dark. Protect from heat.
---------	---

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

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Proprietary			
Control parameters comments	No data recorded.		

8.2. Exposure controls

Safety signs



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

In case of inadequate ventilation wear respiratory protection.

Hygiene / environmental

Specific hygiene measures

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Dark Yellow
Odour	No data recorded.
Flammability	No data recorded.
Oxidising properties	None.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No data recorded.
------------	-------------------

10.2. Chemical stability

Stability	Stable under recommended storage conditions.
-----------	--

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No data recorded.
------------------------------------	-------------------

10.4. Conditions to avoid

Conditions to avoid	Elevated temperatures, sunlight, UV, or ionising radiation.
---------------------	---

10.5. Incompatible materials

Materials to avoid	Strong oxidising substances.
--------------------	------------------------------

10.6. Hazardous decomposition products

Hazardous decomposition products	Hazardous decomposition products formed under fire conditions: See section 5.
----------------------------------	---

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Other information regarding health hazards

Acute toxicity, human experience	No data recorded.
General respiratory or skin sensitisation	No data recorded.
Inhalation	No data recorded.
Eye contact	No data recorded.
Ingestion	No data recorded.
Sensitisation	No data recorded.
Mutagenicity	No data recorded.

Carcinogenicity, other information	No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA, or ACGIH.
Reproductive toxicity	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

Other information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
-------------------	--

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	No data recorded
-------------	------------------

12.2. Persistence and degradability

Persistence and degradability description/evaluation	No negative effects on the aquatic environment are known.
--	---

12.3. Bioaccumulative potential

Bioaccumulation, evaluation	Bioaccumulation: Is not expected to be bioaccumulative.
-----------------------------	---

12.4. Mobility in soil

Mobility	No data recorded.
----------	-------------------

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any PBT or vPvB substances.
------------------------------------	---

12.6. Endocrine disrupting properties

12.7. Other adverse effects

Additional ecological information	No data recorded.
-----------------------------------	-------------------

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Consult state, local, or national regulations to ensure proper disposal. Contact a licensed professional waste disposal service to dispose of this material.
Appropriate methods of disposal for the contaminated packaging	Confirm disposal procedures with environmental engineer and local regulations.
EU Regulations	No data recorded.
National regulations	No data recorded.

SECTION 14: Transport information

Dangerous goods No

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.
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

ADR/RID Other information

Limited quantity No data recorded.

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.

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.

Version

2

URL for technical data

<https://www.cellink.com/product/xsorb/>