Ref No: SDS-IKD119261001
Approval date: 23-MAR-2020
Author: PT, MG, VK. Version: 4

Safety Data Sheet

Coll 1 Solution 10 mg/ml

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Coll 1 Solution 10 mg/ml

Product Number: IKD119261001

Brand: CELLINK

General use: Can be used as a biomaterial in 3D cell culturing (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 LLC
100 Franklin St.
Boston, MA 02110
USA

CELLINK AB
Arvid Wallgrens backe 20
SE41346 Göteborg
Sweden

Emergency Telephone Number:

US: +1(833) 235-5465

EU: +46 31-128-700

support@cellink.com
www.cellink.com

2. HAZARDS IDENTIFICATION

Potential health effects: Not a hazardous substance or mixture.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS#	EC No.	EC Class	Composition
Collagen I	9007-34-5	None	Not classified as hazardous	1%
Acetic acid	64-19-7	616-485-2	H314*, H226*, H318*, H332*, H312*	0.12%

*Hazard statements for 99% acetic acid

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: 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 may cause skin irritation.

5. FIREFIGHTING MEASURES

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

Fire/explosion hazards: No data available.

Firefighting procedures: Wear self-contained breathing apparatus for firefighting if necessary.

Flammable limits: No data available.

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.

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 cold (4 to 8 °C), dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: N/A

Personal protection equipment

Eyes and face: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Respiratory: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Protective clothing: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Gloves: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Appearance:	Transparent liquid
Upper/lower flammability:	N/A
Odor:	Odorless
Vapor pressure:	N/A
Odor threshold:	N/A
Vapor density:	N/A
pH:	3.4-3.6
Relative density:	1 g/mL

Melting point:	N/A
Boiling point:	>100°C (for 0.12% acetic acid)
Flash point:	N/A
Evaporation rate:	N/A
Flammability:	N/A
Partition coefficient:	N/A
Autoignition temp:	N/A
Decomposition temp:	N/A
Viscosity:	N/A

10. STABILITY AND REACTIVITY

Conditions to avoid:	Freezing.
Reactivity:	No data available.
Stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No data available.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	No data available.

11.TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral LD50: 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.

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: No data available.

12. ECOLOGICAL INFORMATION

Toxicity: Acetic acid has high biochemical oxygen demand, and a potential cause to oxygen depletion in aquatic systems.

Persistence and degradability: Acetic acid is readily degradable in the environment.

Bioaccumulative potential: No data available.

Mobility in soil: Aqueous solution of acetic acid has high mobility in soil.

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.

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.

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.

15. REGULATORY INFORMATION

SARA 302 components:
Not listed

SARA 313 components:
Not listed

SARA 311/312 hazards:
Acetic Acid (CAS# 64-19-7) present.

Massachusetts Right to Know components:
Acetic Acid (CAS# 64-19-7) present.

Pennsylvania Right to Know components:
Acetic Acid (CAS# 64-19-7) present.

New Jersey Right to Know components:
Acetic Acid (CAS# 64-19-7) present.

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.

16. OTHER INFORMATION

HMIS Rating (Acetic acid 0.6%)
- Health hazard: 1
- Chronic Health Hazard: 0
- Flammability: 0
- Physical Hazard: 0

NFPA Rating (Acetic acid 0.6%)

Health hazard: 1
Fire Hazard: 0
Reactivity Hazard: 0