

# Safety Data Sheet

## Collagen PREMIUM Neutralization Solution

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Collagen PREMIUM Neutralization Solution

**Product number:** IKR100001101

**Brand:** CELLINK

**General use:** Solution for pH neutralization of an acidic collagen biomaterial for cell encapsulation, tissue engineering, regenerative medicine, biomedical devices and drug delivery. For research use only, not for human use.

**Company address:**

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### 2. HAZARDS IDENTIFICATION

**Potential health effects:** No dangerous product as defined by Directive 67/548/EWG.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS#	EC No.	EC Class
2- [4- (2-hydroxyethyl) -1-piperazinyl] -ethanesulfonic acid buffer substance HEPES	7365-45-9	230-907-9	Not classified as hazardous

Pure sodium bicarbonate Ph Eur, BP, USP, FCC, E 500	144-55-8	205-633-8	Not classified as hazardous
Sodium hydroxide pellets, Ph Eur	1310-73-2	215-185-5	Not classified as hazardous
Ham`s F12 (10x) without phenol red with stable glutamine D (+) - glucose monohydrate	14431-43-7	200-075-1	Not classified as hazardous

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#### 4. FIRST AID MEASURES

**In case of eye contact:** Rinse with plenty of water with the eyelid wide open for at least 15 minutes. If necessary, consult an ophthalmologist.

**In case of skin contact:** Wash affected skin thoroughly with water. Remove the affected clothing.

**If swallowed:** Immediately rinse the mouth, consult a doctor. Information for the doctor: symptom-related therapy by the doctor.

**If inhaled:** If breathed in, move person into fresh air.

#### 5. FIRE FIGHTING MEASURES

**Particular dangers:** Non-flammable.

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#### 6. ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** Prevent entry into drains and waterways.

**Process for cleaning/absorption:** Take up dry. Dispose of. Purify with water.

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#### 7. HANDLING AND STORAGE

**Handling:** Change contaminated clothing. Preventive skin protection recommended. Wash hands after work. Do not empty into drains.

**Storage:** Store cool (4-8°C).

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits:** N/A

##### Personal protection equipment

**Eyes and face:** Glasses or face mask.

**Respiratory:** Dust mask.

**Protective clothing:** Protective clothing. Plastic apron, sleeves, boots - in processing large quantities.

**Gloves:** Protective rubber or plastic gloves.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES.

**Appearance:** Slightly pink liquid

**Upper/lower flammability:** N/A

**Odor:** Product-specific

**Vapor pressure:** N/A

**Odor threshold:** N/A

**Vapor density:** N/A

**pH:** 7.4-7.8

**Relative density:** N/A

**Melting point:** N/A

**Solubility in water:** Soluble

**Boiling point:** N/A

**Flash point:** N/A

**Evaporation rate:** N/A

**Flammability:** No

**Partition coefficient:** N/A

**Autoignition temp:** No

**Decomposition temp:** N/A

**Viscosity:** N/A

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## 10. STABILITY AND REACTIVITY

**Conditions to avoid:** Heating

<b>Stability:</b>	Stable.
<b>Possibility of hazardous reactions:</b>	None under normal use.
<b>Hazardous decomposition products:</b>	No data available.

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## 11. TOXICOLOGICAL INFORMATION

There is no information on toxicity.

We have no evidence of cancer-promoting properties. We have no evidence for mutagenic or teratogenic effects.

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## 12. ECOLOGICAL INFORMATION

**General information:** A harmful effect on aquatic organisms may be due to improper handling and disposal cannot be excluded. Neutralization before discharge into the wastewater.

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## 13. DISPOSAL CONSIDERATIONS

**Recommendations:** Chemical residues are generally classified as hazardous waste and fall as such under provisions which are subject to local authorities. Sit down with the local disposal authority for advice in connection

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## 14. TRANSPORT INFORMATION

**Transport by road (ADR):** Not classified as dangerous goods

**Air transport (IATA):** Not classified as dangerous goods

**Proper shipping name:** Collagen PREMIUM Neutralization Solution

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## 15. REGULATORY INFORMATION

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S27 Take off contaminated clothing immediately.

S28 After contact with skin, wash immediately with plenty of water

S29 Do not empty into drains.

S35 Waste and containers must be disposed of in a secure manner.

S36 Wear suitable protective clothing when working.

S37 Wear suitable gloves.

S39 Wear eye / face protection.

S40 Clean floor and contaminated items with water.

S41 Do not breathe explosion and combustion gases.

S45 In case of accident or if you feel unwell, seek medical advice immediately. (If possible, this label show.)

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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