



## SAFETY DATA SHEET

NAME OF PRODUCT: **Collagen**

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### 1: PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product Identifiers

**PRODUCT NAME:** Collagen  
**SYNONYMS:** Collagen Type 1 Soluable Calf Skin

**PRODUCT CODES:** 101562

#### 1.2 Details of the supplier of the safety data sheet

**MANUFACTURER:** Bio/Data Corporation  
**ADDRESS:** 155 Gibraltar Road, Horsham, PA 19044, USA  
**PHONE:** +1-215-441-4000

#### 1.3 Emergency information

**EMERGENCY:** Turn to nearest First Aid Station  
**EMERGENCY PHONE:** +1-215-441-4000 (Bio/Data Corporation)

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### 2: HAZARDS IDENTIFICATION

**2.1 OSHA Hazard Classifications:** Skin and respiratory sensitizer, Irritant

**2.2 GHS Classification:** Skin irritation (Category 2)  
Eye Irritation (Category 2A)  
Respiratory sensitization (Category 1)  
Skin sensitization (Category 1)  
Specific target organ toxicity – single exposure (Category 3)

**2.3 Hazard Statement:**  
H315: Causes skin irritation  
H317: may cause an allergic skin reaction  
H319: Causes serious eye irritation  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H335: May cause respiratory irritation

**2.4 Precautionary statements:** P361: Avoid breathing dust/fume/gas/mist/vapors/spray  
P280: Wear protective gloves  
P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do. Continue rinsing.  
P342 + P311: If experiencing respiratory systems: Call Poison Center or doctor/physician.

**2.5 HMIS CLASSIFICATIONS:** Health Hazard: 3  
Chronic Health Hazard: Unknown, allergic reactions may develop in certain sensitive individuals.

Flammability: 0  
Physical hazards: 0  
**2.6 NEPA Ratings:** Health hazard: 0  
Fire: 0  
Reactivity: 0

**2.7 Potential Health Effects:** Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.  
Skin: May be harmful if absorbed through skin.

Eye: May cause eye irritation

Ingestion: May be harmful if swallowed

**2.8 Medical Conditions Generally Aggravated by Exposure:** Allergy-prone and asthmatic individuals should be particularly cautious with enzymes and other materials of biologic origin.

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### 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Component:** 3 X 0.5 mL Lyophilized Collagen Solution,

**Chemical Family:** Protein

**Formula:** Not reported

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>CLASSIFICATION</u>
9007-34-5	~130,000	N/A	Not Regulated

Note: Reagents do not contain dangerous substances in quantities higher than limits reported by 67/548/EEC and 1999/45/EC directives, and following modifications and amendments, about classification, labeling and packaging of dangerous preparations.

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### 4: FIRST AID MEASURES

**4.1 Eye contact:** flush eyes with water, remove contacts, if redness and irritation persist, get medical attention

**4.2 Skin contact:** wash off with soap and water, remove contaminated clothing

**4.3 Ingestion:** seek medical advice

**4.4 Direction for physician:** Enzymes/Proteins may cause allergic reactions in certain sensitive individuals. Show safety data sheet to physician.

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### 5: FIRE-FIGHTING MEASURES

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

**5.2 Special Fire Fighting Procedures:** None

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### 6: ACCIDENTAL RELEASE MEASURES

**6.1** Wear approved respirator and protective gloves. Vacuum or collect powdered spill into appropriate waste container for disposal. Avoid physical contact and dust during removal. Use normal clean-up procedures for liquid spillage and wash thoroughly with water. Wash contaminated clothing before reuse.

**6.2** Dispose of waste in accordance with all applicable Federal, State and local regulations.

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### 7: HANDLING AND STORAGE

**7.1** Enzymes/Proteins may cause allergic reactions in certain sensitive individuals. Show safety data sheet to physician

**7.2** Follow instructions of product insert and GLP. The product must be handled with the usual care for diagnostic reagents

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## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Respiratory protection:** dust mask or approved respirator  
**8.2 Eye protection:** use protective glasses or goggles should be worn  
**8.3 Hand protection:** disposable gloves  
**8.4 Other protective clothing:** Lab coat, apron or other protective clothing to minimize contact

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## 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

APPEARANCE	White plug to flaky material
COLOR	Clear to translucent colorless liquid
ODOR	N/A
pH	<7.0
BOILING POINT	N/A
MELTING POINT	N/A
IGNITION TEMPERATURE	N/A
FLASH POINT	Non-flammable
EXPLOSION LIMIT	N/A
VAPOR TENSION	N/A
DENSITY	N/A
VAPOR PRESSURE	N/A
SOLUBILITY IN WATER	Slowly Soluble

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## 10: STABILITY AND REACTIVITY

<b>10.1 STABILITY:</b>	Stable
<b>10.2 CONDITIONS TO AVOID (STABILITY):</b>	None
<b>10.3 INCOMPATIBILITY:</b>	None
<b>10.4 HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:</b>	None
<b>10.5 HAZARDOUS POLYMERIZATION:</b>	Will not occur
<b>10.6 CONDITIONS TO AVOID (POLYMERIZATION):</b>	None

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## 11: TOXICOLOGICAL INFORMATION

- 11.1 LD50 oral:** not known.  
**11.2 LD50:** not known.  
**11.3 LD50 skin:** not known.  
**11.4 LD50 inhalation:** not known.  
**11.5** Not identified as a carcinogen

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## 12: ECOLOGICAL INFORMATION

No Data Available

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## 13: DISPOSAL CONSIDERATIONS

- 13.1** Used reagents must be disposed of in accordance with local and federal regulations.

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## 14: TRANSPORT INFORMATION

- 14.1** Not Regulated - This product is not subject to current regulations for transportation of hazardous goods.

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## 15: REGULATORY INFORMATION

**15.1** This Product does not require special labeling, in accordance with the appropriate EEC directives.

**15.2** SARA 302, SARA 313: No chemicals in this material are subject to reporting requirements.

**15.3** Sara 311/312 Hazards: Acute Health Hazard

**15.4** OSHA Hazards: Skin and respiratory sensitizer, Irritant

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## 16: OTHER INFORMATION

This product is intended for IN VITRO diagnostic use only.

**NOT FOR USE IN HUMANS.**

The information herein is believed to be correct as of the date hereof and excludes any guarantee related with the final use given to the product, being the recipient the last responsible for observing the local laws applicable in each case.

