Collagenase Gold Version May 2025



Section	1. Identification				
Product Name	Collagenase Gold				
Product Code	011-1060				
<b>Chemical Name</b>	Enriched Collagenase from Clostridium histolyticum				
Synonyms	Collagenase, ColG, ColH, Gold				
Intended Application	Enzyme for the release of cells from a tissue matrix				
Manufacturer	VitaCyte, LLC				
	1341 Sadlier Circle West Drive				
	Indianapolis, IN 46239				
Technical Phone #	317-917-3457				

Hazard Classification GHS Classification in accordance with 2012 OSHA Hazard Communication Standard (29 CFR

1910.1200)

Skin Irritation (Category 2), H315 Eye Irritation (Category 2A), H319

Respiratory Sensitization (Category 1), H334

 $Specific \ Target \ Organ \ Toxicity - Single \ Exposure \ (Category \ 3), \ Respiratory \ System, \ H335$ 

**Pictograms** 





Signal Word	Danger

**Hazard Statements** 

**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.

**Precautionary Statements** 

**P261** Avoid breathing dust/fume/gas/mist/spray.

P264 Wash skin thoroughly after handling.

**P271** Use only outdoors or in a well-ventilated area.

**P272** Contaminated work clothing should not be allowed out of the workplace.

**P280** Wear eye protection/face protection.

P280 Wear protective gloves.

**P285** In case of inadequate ventilation wear respiratory protection.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water.

**P304 + P340 + P312** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

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easy to do. Continue rinsing.

5. Fire-Fighting Measures

P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P337 + P313 If eye irritation occurs: Get medical advice/attention.
 P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

**P362** Take off contaminated clothing and wash before reuse.

**P403 + P233** Store in a well-ventilated place. Keep container tightly closed.

**P405** Store locked up.

Section

**NFPA Rating** 

**P501** Dispose of contents/container to an approved waste disposal plant.

Section	3. Composition/Information on Ingredients			
Component	CAS-No	Weight %		
Enriched Collagen	ase 9001-12-1	20-40 %		
Non-reactive stabilizin	g agent Trade Secret	60-80 %		

Section	4. First-Aid Measures
Eyes	In case of contact, immediately wash eyes with copious amounts of water for at least 15 minutes.
Skin	In case of contact, wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes.
Inhalation	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Ingestion	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call Poison Control Center or seek medical attention.

Suitable Extinguishing Media	Nater spray, carbon dioxide, dry chemical powder, or appropriate foam				
Unsuitable Extinguishing Media	No information available				
Autoignition Temperature	Not applicable				
<b>Explosion Hazard</b>	No information available				
Hazardous Combustion Products	Carbon monoxide, carbon dioxide				
Firefighting Precautions	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.				

Section	6. Accidental Release Measures				
Personal Precaution	Keep bottle tightly closed and avoid forming dust.				
<b>Emergency Procedures</b>	Ventilate area and evacuate personnel to safe area.				
Containment	Soak up liquid with absorbent material and place contaminated material in appropriate sealed container for waste disposal.				
Clean-Up	Wash spill site after containment is complete.				

Health 2 / Flammability 0 / Instability 0 / Physical Hazards N/A

Section	7. Handling and Storage
Handling	Avoid dust formation. Do not get in eyes, on skin, on clothing, or breathe dust.
Storage	Keep in a tightly closed container at 2-8°C or colder.

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Section	8. Exposure Controls/Personal Protection					
Permissible Exposure Limits	This product does not have occupational exposure limits.					
<b>Engineering Controls</b>	Safety shower, eye wash station and mechanical exhaust system					
Eye Protection	Chemical safety goggles or appropriate eye protection					
<b>Skin Protection</b>	Compatible chemical-resistant gloves					
Respiratory Protection	Respiratory protection is not required under normal use of this product. If respiratory protection is needed use a government approved respirator.					
Hygiene	Wash thoroughly after handling.					
Section	9. Physical and Chemical Properties					
Section Appearance	9. Physical and Chemical Properties  White to off-white lyophilized cake					
Appearance	White to off-white lyophilized cake					
Appearance Physical State	White to off-white lyophilized cake Solid					
Appearance Physical State pH	White to off-white lyophilized cake Solid 6 – 8					
Appearance Physical State pH Molecular Weight	White to off-white lyophilized cake Solid 6 – 8 ~115 kDa					
Appearance Physical State pH Molecular Weight Boiling Point/Range	White to off-white lyophilized cake Solid 6 – 8 ~115 kDa Not determined					

Not determined Solubility Soluble in water, limit not determined

Not determined

Not determined

### 10. Stability and Reactivity Section

**Reactive Hazard** None known, based on information available

Stability Stable under ordinary conditions of storage and use

**Conditions to Avoid** Heat and extreme pH

**Incompatible Materials** Strong oxidizing agents, strong acids and bases **Hazardous Decomposition** Nature of decomposition products not known

**Hazardous Polymerization** None under normal processing **Hazardous Reactions** None under normal processing

#### Section 11. Toxicological Information

**Routes of Exposure** Ingestion, inhalation, skin and/or eye contact

**Acute Toxicity** No information available **Chronic Toxicity** No information available

> Carcinogenicity **IARC** NTP OSHA ACGIH Collagenase Not listed Not listed Not listed Not listed Glycylglycine Not listed Not listed Not listed Not listed **Calcium Chloride** Not listed Not listed Not listed Not listed

Symptoms both acute and delayed

**Vapor Density** 

**Evaporation Rate** 

**Specific Gravity** 

May cause skin, lung, and eye irritation. May be harmful if absorbed through the skin, ingested, or inhaled.

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Section	12. ECOLOGICAL INFORMATION						
Ecotoxicity	No information available						
Persistence	Unlikely based on information available						
Bioaccumulation	No information available						
Mobility	Likely to be mobile in the environment due to solubility in water						
Section	13. DISPOSAL CONSIDERATIONS						
Waste Disposal	Recovery or recycling should be managed in an appropriate and approved waste disposal facility.						
oracio Diopoca.	Processing, use or contamination of this product may change the waste management options.						
					l disposal regula		
	container and	container and unused contents in accordance with federal, state and local requirements.					
Section	14. TRANSP	ORT INFORM	IATION				
DOT	US, Not regul	ated					
TDG	Canada, Not	egulated					
IATA	International Air Transport Association, Not regulated						
IMDG/IMO	International	International Maritime Dangerous Goods, Not regulated					
Section	15. REGULA	15. REGULATORY INFORMATION					
US Federal TSCA 12(b)	Not applicable	e					
US Federal CERCLA	Not applicable						
US Federal SARA 313	Not applicable	e					
US Federal 311/312 (US)	Acute health	hazard					
California Prop 65	Not listed						
Canada DSL/NDSL	Not listed						
<b>European Union EINECS</b>	232-582-9						
International	NLP	ELINCS	ENCS	AICS	PICCS	IECSC	KECL
	Not listed	Not listed	Not listed	Not listed	Not listed	Listed	Not listed
Section	16. OTHER						
Prepared By	VitaCyte Regi	latory Affairs	(feedback@vita	cyte.com)			
<b>Creation Date</b>	7 Mar 2016						
<b>Revision Date</b>	1 May 2025						
Summary	This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing						
·	the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).						
Disclaimer	The information provided on this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.						