Collagenase HA Revision 17 May 2019



Section	1. Identification				
Product Name	Collagenase HA				
Product Code	001-1000, 001-1050				
Chemical Name	Purified Collagenase from Clostridium hystolyticum				
Synonyms	Collagenase, ColG, ColH, Collagenase 60:40, Collagenase Blend				
Intended Application	Purified 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				

Section 2	2. Hazard(s)	Identification
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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

H315 Causes skin irritation.

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.

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

easy to do. Continue rinsing.

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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.

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

Section 3. Composition/Information on Ingredients

ComponentCAS-NoWeight %Purified Collagenase9001-12-1100 %

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.

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give

oxygen. Call Poison Control Center or seek medical attention.

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media Water spray, carbon dioxide, dry chemical powder, or appropriate foam

Unsuitable Extinguishing

Media

No information available

Autoignition Temperature Not applicable

Explosion Hazard No information available

Hazardous Combustion

Products
Firefighting Precautions

Carbon monoxide, carbon dioxide

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved

or equivalent) and full protective gear.

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

Section 6. Accidental Release Measures

Personal Precaution Keep bottle tightly closed and avoid forming dust.

Emergency Procedures 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.

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 -20°C or colder.

Section 8. Exposure Controls/Personal Protection

Permissible Exposure Limits This product does not have occupational exposure limits.

Engineering Controls Safety shower, eye wash station and mechanical exhaust system

Eye Protection Chemical safety goggles or appropriate eye protection

Skin Protection Compatible chemical-resistant gloves

Respiratory Protection Respiratory protection is not required under normal use of this product. If respiratory protection is

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needed use a government approved respirator.

Hygiene Wash thoroughly after handling.

Section 9. Physical and Chemical Properties

Appearance White to off-white lyophilized cake

Physical StateSolidpH6-8Molecular Weight~115 kDa

Boiling Point/Range Not determined
Melting Point/Range Not determined
Freezing Point Not determined
Vapor Pressure Not determined
Vapor Density Not determined
Evaporation Rate Not determined
Specific Gravity Not determined

Soluble in water, limit not determined

Section 10. Stability and Reactivity

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 MaterialsStrong oxidizing agents, strong acids and basesHazardous DecompositionNature 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

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

Symptoms both acute and delayed

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

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.

Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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Section	14. TRANSPORT INFORMATION								
DOT	US, Not regulated								
TDG	Canada, Not regulated								
IATA	International Air Transport Association, Not regulated								
IMDG/IMO	International Maritime Dangerous Goods, Not regulated								
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Section	15. REGULATORY INFORMATION								
US Federal TSCA 12(b)	Not applicable								
US Federal CERCLA	Not applicable								
US Federal SARA 313	Not applicable								
US Federal 311/312 (US)	Acute health hazard								
California Prop 65	Not listed								
Canada DSL/NDSL	Not listed								
European Union EINECS	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 Regulatory Affairs (feedback@vitacyte.com)								
Creation Date	25 July 2008								
Revision Date	2 May 2019								
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.								