

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product form : Mixture
Product name : GM501 Collagenase
Product code : 4 COLL AIR

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses

Industrial/Professional use spec : For professional use only.
Use of the substance/mixture : Medium for the digestion of human testicular tissue obtained by testicular biopsy (TESE)

1.2.2. Uses advised against

No additional information available.

1.3 Details of the supplier of the material safety data sheet

Gynemed GmbH & Co. KG
Lübecker Straße 9
D-23738 Lensahn
Germany
info@gynemed.de

1.4 Emergency telephone number

Emergency number : +49 (0)4363 90 32 90

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC
Not classified

Adverse physicochemical, human health and environmental effects
No additional information available.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
No labelling applicable.

2.3 Other hazards

No additional information available.

SECTION 3: Composition/information on ingredients

3.1 Substance

Not applicable

3.2 Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ultrapure water	(CAS No) 7732-18-5 (EC No) 231-791-2	> 90	Not classified
Sodium Chloride	(CAS No) 7647-14-5 (EC No) 231-598-3	< 1	Not classified
Potassium Chloride	(CAS No) 7447-40-7 (EC No) 231-211-8	< 1	Not classified
Calcium chloride dihydrate	(CAS No) 10035-04-8	< 1	Eye Irrit. 2, H319
Potassium Dihydrogen Phosphate	(CAS No) 7778-77-0 (EC No) 231-913-4	< 1	Not classified
Glucose anhydrous	(CAS No) 50-99-7 (EC No) 200-075-1	< 1	Not classified
Sodium Hydrogen Carbonate	(CAS No) 144-55-8 (EC No) 205-633-7	< 1	Not classified
HEPES	(CAS No) 7365-45-9 (EC No) 230-907-9	2	Not classified
Human Serum Albumin	(CAS No) 70024-90-7	< 1	Not classified
Magnesium	(CAS No) 10034-	< 1	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sulphate Heptahydrate	99-8		
Sodium Pyruvate	(Cas No) 113-24-6 (EC No) 204-024-4	< 1	Not classified
Sodium lactate	(CAS No) 867-56-1 (EC No) 212-762-3	< 1	Not classified
Clostridiopeptidase A	(Cas No) 9001-12-1 (EC No) 232-582-9	1000 CDU/ml	Skin corrosion/irritation (Category 2) Serious eye damage/eye irritation (Category 2A) Sensitisation, respiratory (Category 1) Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3)
EDTA-2Na	(Cas No) 6381-92-6 (EC No) 205-358-3	< 1	Acute Tox. 4, H302
Alanyl-Glutamine	(Cas No) 39537-23-0 (EC No) 475-290-9	< 1	Not classified
Solution (NON-ESS AA)	not applicable	<1	Not classified
Solution (NON-ESS + ESS AA)	not applicable	<1	Not classified
Gentamicin Sulphate	(Cas No) 1405-41-0 (EC No) 215-778-9	< 1	H317 H334 H360
Phenol Red Sodium Salt	(Cas No) 34487-61-1 (EC No) 252-057-8	< 1	H315 H319 H355
Full text of R- and H-phrases: see section 16			
Comments	:	The media do not contain any raw materials of direct animal-origin or materials that have been produced using animal-origin components. Components have not been in contact with material of animal origin during processing and therefore pose no TSE risk.	

SECTION 4: First aid measures

4.1 Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

No additional information available.

5.3 Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- 6.1.1 For non-emergency personnel
 Emergency procedures : Evacuate unnecessary personnel.
- 6.1.2 For emergency responders
 Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2 Environmental precautions

Prevent entry to sewers and public waters.

6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Rinse spill area with water. Dispose with laboratory waste.

6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Precautions for safe handling : Wash Hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2 Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container away from direct (sun)light.
 Do not freeze.
 Do not use after expiry date.
 The product can be safely used up to 7 days after opening the container when sterile conditions are maintained and the products are stored at 2-8°C.
 Content cannot be resterilized after opening.
- Incompatible products :
 Incompatible materials : Sources of ignition. Direct (sun)light.
 Storage temperature : 2-8°C

7.3 Specific end use(s)

See instruction for use delivered with the device.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Obtain medical attention if any discomfort should occur.

8.2 Exposure controls

- Appropriate engineering controls : Avoid all unnecessary exposure.
 Personal protective equipment Avoid all unnecessary exposure.
 Skin Protection : Wear protective gloves.
 Hand protection Wear protective gloves.
 Eye/Face protection :
 Respiratory protection : Wear appropriate mask.
 Other information : Do not eat, drink or smoke during use. Do not pipette liquid using a mouth pipette.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state : Liquid
 Colour : Red transparent coloured liquid
 Odour : Odourless
 Odour threshold : No data available
 pH : 7.10 – 7.40
 Relative evaporation rate (butylacetate=1) : No data available
 Melting point : No data available
 Freezing point : No data available
 Boiling point : No data available
 Flash point : No data available
 Auto-ignition temperature : No data available
 Decomposition temperature : No data available
 Flammability (solid, gas) : Non flammable
 Vapour pressure : No data available
 Relative vapour density at 20°C : No data available
 Relative density : No data available
 Solubility : Highly soluble in water.
 Water: complete
 Log Pow : No data available

Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2 Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No additional information available.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

Not established.

10.4 Conditions to avoid

Direct (sun)light. Extremely high or low temperatures.

10.5 Incompatible materials

10.6 Hazardous decomposition products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	:	Not classified
Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified
Potential adverse human health effects and symptoms	:	Based on available data, the classification criteria are not met.
Other information	:	Human Serum Albumin: The plasma which is the source of the human serum albumin is tested for antibodies to HIV and HCV and non-reactive for HbsAg, HBV RNA, HCV RNA, HIV-1 RNA and syphilis. The albumin agrees with all the requirements set forth by the European and United States health authority regarding safety.

SECTION 12: Ecological information

12.1 Toxicity

No additional information available

12.2 Persistence and degradability

GM501 Collagenase

Persistence and degradability : Not established

12.3 Bioaccumulative potential

GM501 Collagenase

Bioaccumulative potential : Not established

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

Avoid release to environment

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal recommendations	:	Dispose in a safe manner in accordance with local/national regulations.
Ecology – waste materials	:	Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1 UN number

Not regulated for transport

14.2 UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
 Proper Shipping Name (IMDG) : Not applicable
 Proper Shipping Name (IATA) : Not applicable
 Proper Shipping Name (ADN) : Not applicable
 Proper Shipping Name (RID) : Not applicable

14.3 Transport hazard class(es)

Transport hazard class(es) (ADR) : Not applicable
 Transport hazard class(es) (IMDG) : Not applicable
 Transport hazard class(es) (IATA) : Not applicable
 Transport hazard class(es) (ADN) : Not applicable
 Transport hazard class(es) (RID) : Not applicable

14.4 Packing group

Packing group (ADR) : Not applicable
 Packing group (IMDG) : Not applicable
 Packing group (IATA) : Not applicable
 Packing group (ADN) : Not applicable
 Packing group (RID) : Not applicable

14.5 Environmental hazards

Dangerous for the environment : No
 Marine pollutant : No
 Other information : No supplementary information available

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU-Regulations

No REACH Annex XVII restrictions.
 Contains no REACH candidate substance.

15.1.2 National regulations

No additional information available.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Data sources REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : Gynemed GmbH & Co. KG shall not be held liable for any damage resulting from handling or from contact with ist products.

Full text of R-, H- and EUH-phrases

Eye Irrit. 2,	Serious eye damage/eye irritation, Category 2
Rep Cat. 1	Reproductive toxicity, Category 1
H302	Harmful if swallowed
H319	Causes serious eye irritation
R36	Irritating to eyes
R42	May cause sensitization by inhalation
R43	May cause sensitisation by skin contact
R61	May cause harm to the unborn child
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.