

Trade name: Collagenase, CLS
Cat.No.: C 1-22/28
C 2-22/28
C 3-22/28
C 4-22/28
Manufacturer/supplier: Biochrom AG
Datum: 01.02.2008

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1. Name of substance and manufacturer/supplier:

1.1 Trade name: Collagenase, CLS

Cat.No.: C 1-22 (1 g), C 1-28 (100 mg)
C 2-22 (1 g), C 2-28 (100 mg)
C 3-22 (1 g), C 3-28 (100 mg)
C 4-22 (1 g), C 4-28 (100 mg)

1.2 Manufacturer/supplier: Biochrom AG
Leonorenstr. 2-6
12247 Berlin / Germany
Tel.: 030-7799060 – Telefax: 030-7710012
email: info@biochrom.de

1.3 In case of emergency: Contact your local poison emergency centre

2. Chemical characteristics / Ingredients

Collagenase from *Cl. Histolyticum* E.C.
3.2.24.3 (Clostridiumpeptidase A)
Does not contain hazardous substances
legally required for labelling.
CAS-No.: 9001-12-1
EC-No.: 3.4.24.3

3. Possible hazard

3.1 Precautionary measures: Enzymes may cause allergic reactions in
some in certain sensitive individuals.
The general precautionary measures about
the use of chemicals have to be considered.
In general, not water-hazardous.

4. Emergency / First Aid:

4.1 Eye contact: Flush eyes thoroughly with plenty of water
with open lid for 10 – 15 minutes. In case of
indisposition seek medical advice.

4.2 Skin contact: Remove contaminated clothing. Wash skin

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with soap and water and rinse thoroughly with clean water. In case of skin irritation, seek medical advice.

4.3 Ingestion: Wash out mouth with plenty of water. In case of indisposition, call a physician.

4.4 Inhalation: Fresh air, in case of indisposition seek medical advice.

4.5 General advice: Enzymes/proteins may cause allergic reactions in certain sensitive individuals.

4.5 Advice for the physician: Therapy according to symptoms.

5. Precautions for fire fighting:

5.1 Fire extinguisher media: No restriction

5.2 Thermic disintegration: Toxic and irritating fumes can not develop

6. Precautions for unintentional release:

6.1 Precautions for spilling: Wear approved respirator and protective gloves. Avoid physical contact and dust during removal.

6.2 Binder: No restriction

Special precautions to restrict damage are not necessary

7. Storage and handling:

7.1 Handling: Minimize dust and/or aerosol generation during use. Powder is flammable. Wear protective clothing.

7.2 Storage: To be stored at +2 - +8°C

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8. Exposition of restriction and personal protective clothes

8.1 MAK value:	None
8.2 Breathing protection:	A protective dusk mask is advisable to avoid breathing particulates. Wear an appropriate respirator.
8.3 Eye protection:	Safety glasses
8.4 Hand protection:	Protective gloves – before breaks and after finishing work, hands need to be washed.

9. Physical / chemical characteristics:

9.1 Appearance:	Powder
9.2 Colour:	White - tan
9.3 Odor:	Typical enzyme odour
9.4 pH value:	7 - 8
9.5 Boiling point:	
9.6 Melting point:	
9.7 Balzing point:	
9.8 Ignition temperature:	
9.9 Explosion pressure:	
9.10 Evaporation rate:	
9.11 Density:	
9.12 Solubility in water:	Soluble

10. Stability and reactivity:

10.1 Hazardous reaction:	Not known if used as advised
10.2 Hazardous decomposition products:	None

11. Information to toxicology:

Biochrom AG **SAFETY DATA SHEET**

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11.1 LD50 oral:	Not known
11.2 LD50:	Not known
11.3 LD50 dermal:	Not known
11.4 LD50 inhalativ:	Not known

12. Information to ecology:

12.1 Water-hazardous classification:	0 (Selfassessment)
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13. Information for disposal:

Dispose in accordance with all applicable Federal, State and local regulations. Rinse empty containers thoroughly before disposal and/or recycling.

14. Angaben zum Transport

14.1 GGVE/GGVS:)
14.2 ICAO/IATA-DGR:)
14.3 GGVSee/IMDG-CODE:)
14.4 RID/ADR:)
14.5 Un-No.:)
14.6 MFAG:)
14.7 EMS:)

Does not apply to the current regulations for dangerous goods (GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO).

15. Regulations:

Do not inhale dust. Wear suitable protective clothing, protective gloves and protective goggles, wear respirator with insufficient ventilation.

16. Special note:



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The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Individuals receiving this information must exercise their independant judgement in determining its appropriateness for a particular purpose.

For *in vitro* use only.