

Material Safety Data Sheet

According to Regulation (EC) No. 1907/2006
Version 1.0, Revision Date: 11.05.2023

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: Collagen Type I, bovine
Product number: 50301, 50302, 50303
REACH No: A registration number is not available for this substance/mixture as the substance/mixture or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified uses: For research use only

1.3 Details of the supplier of the material safety data sheet

Company: ibidi GmbH
Lochhamer Schlag 11
82166 Gräfelfing
Germany
Telephone: +49-89-5204617-0
Fax: +49-89-5204617-59
E-mail address: msds@ibidi.de

1.4 Emergency telephone number

Emergency Phone: +49-89-5204617-0
(Business hours from Monday till Friday between 8 am and 5 pm (UTC+1h))

2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) no 1272/2008.

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008

This product does not need to be labeled in accordance with EC directives or respective national laws.


2.3 Other hazards

None

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Hazard components

Component	Classification	Pictogram	Concentration
Acetic Acid			
CAS-No.: 64-19-7	Flammable liquid (Category 3), H226 Skin corrosion (Category 1A), H314 Serious eye damage (Category 1), H318		< 1%

For the full text of the H-Statements mentioned in this Section, see Section 16.

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4 FIRST AID MEASURES

4.1 Description of first aid measures

General advice

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration

In case of skin contact

Wash off with soap and plenty of water

In case of eye contact

Flush eyes with water as a precaution

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media like: Water, foam, carbon dioxide

5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known

5.3 Advice for firefighters

Wear self-contained breathing apparatus for fire fighting if necessary

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas

6.2 Environmental precautions

Do not let product enter drains

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal

6.4 Reference to other sections

For disposal see section 13

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed

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7.2 Conditions for safe storage, including incompatibilities

Keep container tightly closed in refrigerator
Recommended storage temperature: 2 -8 °C

7.3 Specific end use(s)

No data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering control

Handle in accordance with good laboratory hygiene and safety practice.

Personal protective equipment

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. The glove material has to be impermeable and resistant to the product. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with the product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practice. Wash and dry hands.

Body protection

Wear lightweight protective clothing.

Respiratory protection

No special protective equipment required.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form: aqueous solution Color: colourless
b) Odor	none
c) Odor Threshold	not available
d) pH	3.5 +/- 0,2
e) Melting point/Freezing point	not available
f) Initial boiling point and boiling range	not available
g) Flash point	not applicable
h) Evaporation rate	not available
i) Flammability (solid, gas)	not flammable
j) Upper/lower flammability or explosive limits	not available
k) Vapor pressure	not available
l) Vapor density	not available
m) Relative density	not available
n) Water solubility	not available

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o) Partition coefficient: n-octanol/water	not available
p) Auto-ignition temperature	not available
q) Decomposition temperature	not available
r) Viscosity	not available
s) Explosive Properties	not available
t) Oxidizing properties	not available

9.2 Other information

No data available.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No decomposition if used according to specifications

10.5 Incompatible materials

Strong oxidizing agents. Collagen digesting proteins (e. g. collagenase)

10.6 Hazardous decomposition products

No dangerous decomposition products known

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

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Specific target organ toxicity – single exposure

no data available

Specific target organ toxicity – repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

no data available

Signs and Symptoms of Exposure

no data available

12 ECOLOGICAL INFORMATION

12.1 Toxicity

no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

The substance does not meet the criteria for a classification

PBT	not applicable
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vPvB	not applicable
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12.6 Other adverse effects

no data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste must be disposed of in accordance with federal, state and local environmental control regulations

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous good

IMDG: Not dangerous good

IATA: Not dangerous good

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

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14.4 Packing group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

14.7 Transport in bulk according to Annex of MARPOL73/78 and the IBC Code

15 REGULATORY INFORMATION

This material safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No data available

15.2 Chemical safety assessment

No data available

16 OTHER INFORMATION

Full text of H-Statements

H226	Flammable liquid and vapour
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
PBT	persistent, bioaccumulative, toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations Concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very persistent, very bioaccumulative

Further Information

The particulars given in the Material Safety Data Sheet only apply to the described product in connection with its appropriate utilization. These particulars are based on the latest state of our knowledge and information. In particular, they serve the purpose of describing our product under the aspect of hazards caused by such product and pertaining safety actions. They do not constitute any guarantee of product quality and/ or quality features. The particulars given in this Material Safety Data Sheet are not required in accordance with article 31 and annex II of the Regulation (EC) No 1907/2006. They merely serve the purpose of providing sufficient information on the voluntary basis with a view to ensure the safe utilization of such substance/mixture/product.