



SAFETY DATA SHEET

Sircol Soluble Collagen Assay Kit

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

1.1. Product identifier

Product name Sircol Soluble Collagen Assay Kit

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

Identified uses Dye-binding method for the analysis of acid and pepsin-soluble collagens.

1.3. Details of the supplier of the safety data sheet

Supplier Biocolor Limited
8 Meadowbank Road
Carrickfergus
Co Antrim
United Kingdom
BT38 8YF
+44 (0) 28 93350258 (Mon-Fri 08:30-16:30)
+44 (0) 28 93369716
info@biocolor.co.uk

Contact person Gary Elliott

1.4. Emergency telephone number

Emergency telephone +44 (0) 28 93350258 (Mon-Fri 08:30-16:30)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Skin Corr. 1A - H314 Eye Dam. 1 - H318

Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.

Precautionary statements P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container in accordance with national regulations.

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Contains ACETIC ACID ...%, SODIUM HYDROXIDE

Labelling notes The classification, labelling and advice given for this kit is based on the following hazardous components:

20ml Acid Neutraliser H314
20ml Acid-Salt Wash H315, H319
150ml Dye Release H315, H319

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ACETIC ACID ...%	10-30%
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CAS number: 64-19-7	EC number: 200-580-7
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Classification

Flam. Liq. 3 - H226
Skin Corr. 1A - H314
Eye Dam. 1 - H318

SODIUM HYDROXIDE	10-30%
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CAS number: 1310-73-2	EC number: 215-185-5
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Classification

Skin Corr. 1A - H314
Eye Dam. 1 - H318

The full text for all hazard statements is displayed in Section 16.

Composition comments The substances are listed as the highest % present in any of the kit components.,5ml Collagen Standard containing 500µg/ml collagen (obtained from bovine and rat sources from non-diseased animals).,The classification, labelling and advice given for this kit is based on the following hazardous components:

20ml Acid Neutraliser H314
20ml Acid-Salt Wash H315, H319
150ml Dye Release H315, H319

SECTION 4: First aid measures

4.1. Description of first aid measures

General information The classification, labelling and advice given for this kit is based on the following hazardous components:

20ml Acid Neutraliser H314
20ml Acid-Salt Wash H315, H319
150ml Dye Release H315, H319

Inhalation General first aid, rest, warmth and fresh air.

Ingestion Rinse nose and mouth with water. Get medical attention immediately.

Skin contact Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention.

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Eye contact Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation No specific symptoms known.

Ingestion May cause chemical burns in mouth, oesophagus and stomach.

Skin contact Causes burns.

Eye contact Causes burns.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards None known.

Hazardous combustion products None known.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment for firefighters Wear fire/ flame resistant/retardant clothing. Avoid breathing fire gases or vapours.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear protective clothing, gloves, eye and face protection. Read and follow manufacturer's recommendations.

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Advice on general occupational hygiene

Provide eyewash station. Wash promptly if skin becomes contaminated. Take off immediately all contaminated clothing and wash it before reuse. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate hand lotion to prevent defatting and cracking of skin.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Tight-fitting safety glasses. Chemical splash goggles.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Colour

Dye Reagent is red, the rest of the components are colourless.

Odour

Acid Salt Wash has acetic acid odour, the rest of the components are odourless.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid

Keep away from heat, sparks and open flame.

10.5. Incompatible materials

Materials to avoid

Strong oxidising agents. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products

No known hazardous decomposition products.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects The classification, labelling and advice given for this kit is based on the following hazardous components:

20ml Acid Neutraliser H314
 20ml Acid-Salt Wash H315, H319
 150ml Dye Release H315, H319

Inhalation None known.

Ingestion May cause chemical burns in mouth, oesophagus and stomach.

Skin contact Causes burns.

Eye contact Causes burns.

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity The product components are not classified as environmentally hazardous.

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product. The product contains mainly inorganic substances which are not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Incineration is recommended however disposal methods must take in account the substances added to the kit by the end user. Dyes must never be disposed of to drains or water courses.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	3316
UN No. (IMDG)	3316
UN No. (ICAO)	3316
UN No. (ADN)	3316

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14.2. UN proper shipping name

Proper shipping name (ADR/RID) CHEMICAL KIT

Proper shipping name (IMDG) CHEMICAL KIT

Proper shipping name (ICAO) CHEMICAL KIT

Proper shipping name (ADN) CHEMICAL KIT

14.3. Transport hazard class(es)

ADR/RID class 9

ADR/RID classification code M11

ADR/RID label 9

IMDG class 9

ICAO class/division 9

ADN class 9

Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ADN packing group II

ICAO packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-A, S-P

ADR transport category 2

Tunnel restriction code (E)

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

SECTION 15: Regulatory information

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

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	Revised classification to CLP [Regulation (EC) No 1272/2008, to the 6th ATP] and sds format and content to REACH Annex II 2015 [Commission Regulation (EU) 2015/830]. Section 14 - dangerous goods classification updated.
Revision date	15/07/2015
Revision	6
Supersedes date	02/04/2015
SDS number	20167
Hazard statements in full	H226 Flammable liquid and vapour. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.