



SAFETY DATA SHEET

Blyscan sGAG Assay Kit

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

1.1. Product identifier

Product name Blyscan sGAG 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 sulphated proteoglycans & glycosaminoglycans.

Uses advised against For laboratory use only.

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 Irrit. 2 - H315 Eye Irrit. 2 - H319

Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements H315 Causes skin irritation.
H319 Causes serious eye irritation.

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Precautionary statements

P264 Wash contaminated skin thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Labelling notes

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

15ml Acetic Acid Solution H315, H319

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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

Classification

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

Ammonium sulphamate	10-30%
CAS number: 7773-06-0	EC number: 231-871-7
M factor (Acute) = 1	

Classification

Acute Tox. 4 - H302
 Aquatic Acute 1 - H400

SODIUM NITRITE	5-10%
CAS number: 7632-00-0	EC number: 231-555-9
M factor (Acute) = 1	

Classification

Ox. Sol. 3 - H272
 Acute Tox. 3 - H301
 Aquatic Acute 1 - H400

Sodium dodecyl sulphate	5-10%
CAS number: 151-21-3	EC number: 205-788-1

Classification

Flam. Sol. 2 - H228
 Acute Tox. 4 - H302
 Acute Tox. 4 - H332
 Skin Irrit. 2 - H315
 Eye Dam. 1 - H318
 STOT SE 3 - H335
 Aquatic Chronic 3 - H412

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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.,The classification, labelling and advice given for this kit is based on the following hazardous components:
15ml Acetic Acid Solution 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:
15ml Acetic Acid Solution H315, H319

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

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

Skin contact Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

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 if irritation persists after washing.

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

Inhalation No specific symptoms known.

Ingestion Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact Irritating to skin.

Eye contact Causes serious eye irritation.

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.

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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.

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 blue, the rest of the components are colourless

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Odour 15ml Acetic Acid Solution has an 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.

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:
15ml Acetic Acid Solution H315, H319

Inhalation None known.

Ingestion Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact Irritating to skin.

Eye contact Causes serious eye irritation.

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.

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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 into account the substances added to the kit by the end user. Dyes must never be disposed of to drains or water courses.

Disposal methods Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

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

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).

15.2. Chemical safety assessment

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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].
Revision date	13/08/2015
Revision	6
Supersedes date	02/04/2015
SDS number	20172
Hazard statements in full	H226 Flammable liquid and vapour. H228 Flammable solid. H272 May intensify fire; oxidiser. H301 Toxic if swallowed. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.