

MSDS No.:	Ag_102 ACE-2 v1
Issued by:	R&D
Approved by:	<i>M. Denny</i>
Revision date:	18/05/2021
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1. Identification Of The Substance/Mixture And Of The Company Undertaking

1.1 Product Identifier	
Product Name	ACE-2, Human IgG Fc Tag
Product Code	Ag_102
Source	Sequence obtained from NCBI
Expression Host	Nicotiana benthamiana plants
Tag	None
Description	Protein expressed in plants from DNA encoding ACE-2 receptor fused to Human IgG Fc Tag.
Concentration	2.00 mg/ml or variable
Volume	Variable

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against	
Recommended use	Research and diagnostic use: western blot, ELISA, Lateral Flow Assay.
Uses advised against	Therapeutic

1.3 Details of the supplier of the safety data sheet	
Supplier address	Cape Biologix Technologies South Africa Unit 2, The Powder Mill, 5 Sunrise Circle, Ndabeni, Cape Town, 7405
Company website	www.capebiopharms.com • www.capebiologix.com
Company contact	Email Us contact@capebiopharms.com Phone Number 021 286 2835

1.4 Emergency Telephone Number
South Africa: 0810219075 / 0834562760

2. Hazards Identification

2.1 Classification of the substance or mixture
GHS / CLP - GHS - Classification No Health, Physical or Environmental Hazards.

2.2 Label Elements
Label elements pertaining to safety are not applicable.

2.3 Other information
Not applicable.

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3. Composition/Information On Ingredients

3.1 Substances		
Form	Colour	Isotype
Liquid	Clear to slightly brown/red	IgG1

4. First Aid Measures

4.1 Description of the first aid measures	
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
Skin contact	Wash off with soap and water.
Ingestion	Clean mouth with water. Drink plenty of water.
Inhalation	Move to fresh air.

4.2 Most important symptoms and effects, both acute and delayed	
Main symptoms	None

4.3 Indication of any immediate medical attention and special treatment needed	
Notes to physician	Treat symptomatically

5. Fire-Fighting Measures

5.1 Existing media
<p>Suitable extinguishing media Not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</p> <p>Extinguishing media which shall not be used for safety reasons. Not applicable.</p>

5.2 Special hazards arising from the substance or mixture	
Special hazard	None

5.3 Advice for firefighters
Special protective equipment for fire-fighters: as for any fire, wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Not applicable.

6.2 Environmental precautions
Prevent further spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up
Soak up with absorbent material.

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7. Handling And Storage

Storage	Short term: 2 - 4 °C. Long term: -20 °C
Storage Buffer	Constituents: phosphate-buffered saline, pH 7.4
Handling	Do not ingest.

8. Exposure Controls/ Personal Protection

Personal Protective	Not applicable.
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9. Physical And Chemical Properties

Physical state	Liquid or lyophilized powder.
Odour	Little to none.
Solubility in water	Miscible in all proportions.
Additional information	None.

10. Stability And Reactivity

Chemical stability	Stable under recommended transport or storage conditions.
Reactivity	Heat-sensitive. Must be kept at recommended temperatures.
Hazardous reactions	Will not occur under normal transport or storage conditions.

11. Toxicological Information

Inhalation	There may be irritation of the throat and chest.
Ingestion	None.
Skin	None.
Eyes	There may be irritation and redness.

12. Ecological Information

Toxicity	Not applicable.
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13. Disposal Considerations

Waste product	Can be discarded in conventional waste stream.
Contaminated Packaging	Not applicable.

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14. Transportation Information

IATA/ADR/DOT-US/IMDG	Not regulated with respect to transport regulations.
UN number	Not applicable.
UN proper shipping name	Not applicable.
Transport hazard class(es)	Not applicable.
Packing group	Not applicable.
Environmental hazards	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture	
Substances of Very High Concern	None
Substance subject to authorisation per REACH Annex XIV	None
Restricted substances under EC 1907/2006, Annex XVII	None
Substances listed under Annex I of Regulation (EC) No 689/2008	None
Restricted substances under Annex V of Regulation (EC) No 689/2008	None
Substances under Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC	None
Chemical safety assessment	No Chemical safety assessment has been carried out.

16. Other Information

Shipping: This product is considered non-hazardous and acceptable to transport via ground freight, ocean freight, or air freight without special handling.

Disclaimer

“The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.”

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