

SAFETY DATA SHEET

V2

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING	
1.1 Product Identifier	
Product Name	PtX™ SARS-CoV-2 Spike Protein S1 (His tag) Ultra
Product Code	CBT_P0003
1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against	
Recommended use	Research use only: Western blot & ELISA
Uses advised against	Diagnostic and 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 7405
Company website	www.capebiologix.com
Company contact	Email Us sales@capebiologix.com Phone Number (+27) 21 286-2835
1.4 Emergency Telephone Number	
South Africa: 0603757433	
2. HAZARDS IDENTIFICATION	
2.1 Classification of the substance or mixture	
GHS / CLP - GHS - Classification Recombinant SARS-CoV-2 Spike Protein, with His Tag, made in plants. Ozone: Not applicable Reduce direct handling to a minimum and wear appropriate protective clothing.	
2.2 Label Elements	
Not dangerous	
Precautionary Statements - EU (§28, 1272/2008)	P280 - Wear protective gloves/ protective clothing

Cape Biologix Technologies

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2.3 Other information
No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS
3.1 Substances
This product does not contain any known hazard ingredient.

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 immediately with soap and plenty of 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	See section 2.2.

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
Flash Point: N/A Auto Ignition Temp: N/A Flammability: N/A
Suitable extinguishing media
Suitable: Noncombustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Extinguishing media which shall not be used for safety reasons
No information available.

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

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

6. ACCIDENTAL RELEASE MEASURES
6.1 Personal precautions, protective equipment, and emergency procedures

Ensure adequate ventilation
See Section 12 for additional information.

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

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

7. HANDLING AND STORAGE	
Storage	Short term (up to one week): 2 – 8 °C Long term: Aliquot and store at – 20 °C Store immediately. Aliquot and avoid multiple freeze thaw cycles
Storage Buffer	Phosphate Buffered saline (0.1 M), pH 7.4
Handling	Do not ingest. Wash hands thoroughly after handling.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION	
Personal Protective Equipment	Lab coat and protective gloves

9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical state	Liquid
Odour	Little to none
Solubility in water	Miscible in all proportions
Appearance	Clear to light yellow brown
Safety data	
pH	No data available
Melting point	
Boiling point	
Flash point	
Ignition temperature	

10. STABILITY AND REACTIVITY	
Chemical stability	No data available
Reactivity	
Hazardous reactions	
Avoid contact conditions	
Incompatible materials	
Hazardous decomposition products	

11. TOXICOLOGICAL INFORMATION	
Inhalation	No data available
Ingestion	
Skin	
Eyes	

Corrosivity	
Sensitization	
Neurological effects	
Reproductive toxicity	
Mutagenic effects	
Target Organ Effects	

12. ECOLOGICAL INFORMATION	
Ecotoxicity effects	Expired product or empty container should be disposed of in suitable Biological Hazard waste as per 13. Disposal Considerations
Persistence and degradability	No data available
Bio-accumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Other adverse effects	No data available

13. DISPOSAL CONSIDERATIONS	
Waste product	Dispose of in a regulated landfill site or other methods for hazardous or toxic wastes in accordance with national, regional, or local legislation.
Contaminated Packaging	

14. TRANSPORTATION INFORMATION	
IATA/ADR/DOT-US/IMDG	Not regulated in the meaning of transport regulations

15. REGULATORY INFORMATION	
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

SECTION 16 – OTHER INFORMATION	
Revision Date: 06.12.2023	
Version: 2	
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