

**Product:** Peptide(acyclic)

**Product code:** GEN-3xFLAG-5/25

**Revision:** 1.5

**Last update:** 2015-01-16

<b>Section 1 - Product and Company Information</b>	
<b>Product Name</b>	3x FLAG peptide
<b>Product Code</b>	GEN-3xFLAG-5/25
<b>Company</b>	Protein Ark Ltd. The Innovation Centre, 217 Portobello Sheffield, S1 4DP UK
<b>Emergency Contacts:</b>	+44 (0) 114 224 2236
<b>Section 2 - Composition/Information on Ingredients</b>	
<b>Substance Name</b>	Chemically synthesized acyclic Peptide
<b>Section 3 - Hazards Identification</b>	
<b>Emergency Overview: May cause skin irritation and/or dermatitis</b>	
<p>Principle routes of exposure: Skin. Inhalation: May cause irritation of respiratory tract. Wash hands thoroughly after handling.</p>	
<b>Ingestion: May be harmful if swallowed</b>	
<p>Skin contact: May cause allergic skin reaction. Eye contact: Avoid contact with eyes. Wear protective gloves/eye protection/face protection.</p>	
<b>Statements of hazard: May cause allergic skin reaction</b>	
<b>Statement of Spill or Leak:</b>	
<p>Eliminate all ignition sources. Use explosion-proof electrical / ventilating / lighting equipment. Take precautionary measures against ignition by the static discharge and the spark.</p> <p>Absorb and/or contain spill with inert materials (e.g., sand, vermiculite). Then place in appropriate container. For large spills, use water spray to disperse vapors, flush spill area. Prevent runoff from entering waterways or sewers.</p> <p>Keep away from heat/sparks/open flames/hot surfaces. Keep container</p>	

tightly closed.

**For additional information on toxicity, please refer to Section 11.**

## Section 4 - First Aid Measures

### Inhalation

Move to fresh air. Call a physician immediately.

### Skin contact

Rinse immediately with plenty of water for at least 15 minutes and seek medical advice.

### Ingestion

Do not induce vomiting without medical advice.

### Eye contact

In the case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.

## Section 5 - Fire Fighting Measures

**Extinguishing media:** Suitable: Water spray, Sands, Carbon dioxide, or appropriate foam.

**Fire-fighting:** Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Specific Hazard(s):** Emits toxic fumes under fire conditions.

## Section 6 - Accidental Release Measures

**Procedure(s) of personal precautions(s):** Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

**Methods for cleaning:** Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## Section 7 - Handling and Storage

### Handling

Avoid inhalation. Avoid contact with eyes, skin, and clothing. Wash hands and face thoroughly after handling. Avoid prolonged or repeated exposure.

### Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place under the proper temperature. Containers which are opened must be carefully resealed and kept upright to prevent leakage after the use.

## Section 8 - Exposure Controls / PPE

**Engineering controls:** Safety shower and eye bath. Mechanical exhaust required.

**Personal protective equipment respiratory:** Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where respiratory protection is required, follow local or national regulations. **Hand Protection:** Protective gloves. **Eye:** Chemical safety goggles.

**General Hygiene Measures** Wash thoroughly after handling.

## Section 9 - Physical/Chemical Properties

<b>Appearance:</b>	White to off-white powder
<b>Molecular Weight:</b>	N/A
<b>pH</b>	N/A
<b>BP/BP Range</b>	N/A
<b>MP/MP Range</b>	N/A
<b>Freezing Point</b>	N/A
<b>Vapor Pressure</b>	N/A
<b>Vapor Density</b>	N/A
<b>Saturated Vapor</b>	N/A
<b>SG/Density</b>	N/A
<b>Bulk Density</b>	N/A
<b>Odor Threshold</b>	N/A
<b>Volatile%</b>	N/A
<b>VOC Content</b>	N/A
<b>Water Content</b>	≤5.0%
<b>Solvent Content</b>	N/A
<b>Evaporation Rate</b>	N/A
<b>Viscosity</b>	N/A
<b>Surface Tension</b>	N/A
<b>Partition Coefficient</b>	N/A
<b>Decomposition</b>	~200°C
<b>Flash Point</b>	N/A
<b>Explosion Limits</b>	N/A

<b>Flammability</b>	N/A
<b>Autoignition Temp</b>	N/A
<b>Refractive Index</b>	N/A
<b>Optical Rotation</b>	N/A
<b>Miscellaneous Data</b>	N/A
<b>Solubility</b>	N/A
<b>Section 10 - Stability and Reactivity</b>	
<p><b>Stability:</b> Stable.</p> <p><b>Materials to avoid:</b> Strong oxidizing agents.</p> <p><b>Hazardous decomposition products:</b> Carbon Monoxide, NO<sub>x</sub> etc. In the event of fire: see Section 5.</p> <p><b>Hazardous polymerization:</b> Will not occur.</p>	
<b>Section 11 - Toxicological Information</b>	
<p><b>Route of exposure</b></p> <p><b>Skin:</b> May cause skin irritation.</p> <p><b>Eye:</b> May cause eye irritation.</p> <p><b>Inhalation:</b> Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.</p> <p><b>Ingestion:</b> May be harmful if swallowed.</p> <p><b>Acute Toxicity:</b> No data available.</p> <p><b>Carcinogenicity:</b> No data available.</p> <p><b>Reproductive toxicity:</b> No data available.</p> <p><b>Signs and symptoms of exposure</b></p> <p>To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</p>	
<b>Section 12 - Ecological Information</b>	
No data available.	
<b>Section 13 - Disposal Considerations</b>	
<p><b>Appropriate method of disposal of substance or preparation</b> Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.</p>	

## Section 14 - Transport Information

### Transport Regulation

**UN/Id No.:** Not regulated

**DOT:** Proper shipping name: Not Regulated

**U.S. DOT** - Appendix A Table 1-Reportable Quantities: Not Listed

**TDG (Canada)** - WHMIS hazard class: Non-controlled

### IMDG/IMO/IATA

**IMDG/IATA** - Hazard Classifications :Not Applicable

**U.S. DOT** - Appendix B - Marine Pollutant: Not Listed

**U.S. DOT** - Appendix B - Severe Marine Pollutants: Not Listed

Please contact **Protein Ark Ltd.** for further information on the transportation.

## Section 15 - Regulatory Information

Safe use and production, storage of dangerous chemicals, transport, loading and unloading were prescribed.

**United States TSCA - Sect. 8(b): Not Listed**

## Section 16 - Other Information

**DISCLAIMER** This non-GMP compound sold from Protein Ark Ltd. 100% chemically synthesized, non-toxic, of non-animal, non-human origin, and **FOR THE RESEARCH & DEVELOPMENT USE ONLY. THE COMPANY Did NOT, DOES NOT and WILL NEVER AUTHORIZE** any of its non-GMP products to any of its customers under any circumstance for the household or unapproved drug use.

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