

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : Recombinant Chikungunya E2 with human Fc tag  
IUPAC name: -  
Product number : REC31618  
CAS number: -

Company : The Native Antigen Company Ltd.  
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### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

None identified

#### Label elements

Pictogram	None
Signal word:	None
Hazard statement(s)	None
Precautionary statement(s)	None
Hazard symbol(s)	None
R-phrases(s)	None
S-phrases(s)	None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chikungunya E2 recombinant protein incorporating a human Fc tag. Sample is of biological origin and is presented as a clear liquid in a plastic vial. Each vial contains no more than 1000µg.

Additional components present: 20mM HEPES, 300mM NaCl, 0.25% Triton X-100

#### 4. FIRST AID MEASURES

- If inhaled:** If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.
- In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.
- In case of eye contact:** Rinse thoroughly at eyewash station for at least 15 minutes and consult a physician.
- If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**

None.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so.

**Methods and materials for containment and cleaning up**

Clean up using standard laboratory procedures.

#### 7. HANDLING AND STORAGE

**Precautions for safe handling**

No precautions required.

**Conditions for safe storage**

Follow storage instructions on Certificate of Analysis

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

**Respiratory protection**

Not required

**Hand protection**

Not required

**Eye protection**

Not required

**Skin and body protection**

Laboratory coat

**Hygiene measures**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Colourless, clear liquid.

### Safety data

pH: pH 7.4  
Melting point: no data available  
Boiling point: no data available  
Flash point: no data available  
Ignition temperature: no data available  
Lower explosion limit: no data available  
Upper explosion limit: no data available  
Water solubility: soluble

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Conditions to avoid

Avoid multiple freeze thaw cycles

### Materials to avoid

Strong oxidizing agents, proteases.

### Hazardous decomposition products

None known

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

no data available

### Skin corrosion/irritation

no data available

### Serious eye damage/eye irritation

no data available

### Respiratory or skin sensitization

no data available

### Germ cell mutagenicity

no data available

### Carcinogenicity

no data available

### Reproductive toxicity

no data available

### Aspiration hazard

no data available

**Potential health effects**

no data available

**Signs and Symptoms of Exposure**

no data available

**Additional Information**

no data available

**12. ECOLOGICAL INFORMATION**

**Toxicity**

no data available

**Persistence and degradability**

Protein degrades easily

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

**13. DISPOSAL CONSIDERATIONS**

**Product**

Observe all federal, state, and local environmental regulations. No other special disposal conditions.

**Contaminated packaging**

Dispose of as unused product.

**14. TRANSPORT INFORMATION**

No hazard

**15. REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**16. OTHER INFORMATION**

None

**Last update:** 10 January 2018

**Prepared by:** The Native Antigen Company

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