

The Native Antigen Company Building B Langford Locks Kidlington Oxfordshire OX5 1LH Tel+44 (0)1865 595230

# SAFETY DATA SHEET

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

Product name : Recombinant Chikungunya E1 protein

IUPAC name: -

Product number: CHIKV-E1

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-phrase(s) None

S-phrase(s) None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chikugunya E1 recombinant protein incorporating a his 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 Tris-HCl pH 7.8, 210mM NaCl

# 4. FIRST AID MEASURES



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**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

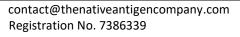
Laboratory coat

## Hygiene measures

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



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product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

## **Appearance**

Colourless, clear liquid.

Safety data

pH: pH 7.8

Melting point:
Boiling point:
Flash point:
Ignition temperature:
Lower explosion limit:
Upper explosion limit:
no data available
no data available
no data available
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



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#### 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: 08 March 2018

Prepared by: The Native Antigen Company

Although the information, opinions and recommendations contained in this Safety Data Sheet are compiled from sources believed to be reliable, we accept no responsibility for the accuracy, sufficiency, or reliability or for any loss or injury resulting from the use of the information.



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