

SAFETY DATA SHEET

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

Product name : Chikungunya E1 Envelope Protein (HEK293)
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-phrases(s) None

S-phrases(s) None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chikungunya 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



- 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 7.8
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: 11 Nov 2019

Prepared by: The Native Antigen Company

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