

## SAFETY DATA SHEET

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

Product name : Human Immunodeficiency Virus Reverse Transcriptase (Pol) Protein [HIV-1/Clade B (IIIB)].  
IUPAC name: -  
Product number : REC31713-100  
REC31713-500  
CAS number:  
Company : The Native Antigen Company Ltd.  
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### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

#### Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Recombinant HIV Reverse Transcriptase Protein [HIV-1] is expressed recombinantly in an E. coli expression system. Sample is of biological origin and is presented as a liquid in a plastic vial. Each vial contains no more than 1000µg.

Additional components present: 1.5 M urea; 25 mM Tris-HCl pH 8.0; 0.2% Tween-20; 50% Glycerol.

### 4. FIRST AID MEASURES

**If inhaled:** Remove person to fresh air, seek medical advice if breathing becomes difficult.  
**In case of skin contact:** Wash off with soap and water.  
**In case of eye contact:** Rinse at eyewash station.  
**If swallowed:** No treatment required

### 5. FIRE-FIGHTING MEASURES



**Suitable extinguishing media**

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

**Special protective equipment for fire-fighters**

None required.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Wear gloves.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so.

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

Pick up using absorbent tissue and arrange for safe disposal. Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling**

Avoid contact with skin and eyes.

**Conditions for safe storage**

Recommended storage temperature: -20 to -80 °C for long term.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

**Personal protective equipment****Respiratory protection**

None necessary.

**Hand protection**

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Handle with gloves.

**Eye protection**

Safety glasses if desired

**Skin and body protection**

Laboratory coat

**Hygiene measures**

Avoid contact with skin, eyes and clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Colourless liquid

**Safety data**

pH: pH 8.0



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, strong reducing agents

### 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

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### Reproductive toxicity

no data available

### Aspiration hazard

no data available

### Potential health effects

<b>Inhalation</b>	None
<b>Ingestion</b>	None
<b>Skin</b>	None
<b>Eyes</b>	May cause eye irritation.

### Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been



thoroughly investigated.

#### **Additional Information**

### **12. ECOLOGICAL INFORMATION**

#### **Toxicity**

No data available

#### **Persistence and degradability**

Degrades easily

#### **Bioaccumulative potential**

Low

#### **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. Can be disposed of down sink.

#### **Contaminated packaging**

Dispose of as unused product.

### **14. TRANSPORT INFORMATION**

Not dangerous goods, no transport limitations.

### **15. REGULATORY INFORMATION**

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

### **16. OTHER INFORMATION**

None

**Last update:** 01 July 2019

**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.