

## SAFETY DATA SHEET

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

Product Name: Recombinant Norovirus GI.1 VP1 virus-like particles  
Product Number: REC31722  
Company: The Native Antigen Company Ltd.  
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### 2. HAZARDS IDENTIFICATION

#### 2.1 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.

#### 2.2 Label elements

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

#### 2.3 Other hazards

This product does not contain substances listed on the ECHA Candidate list or identified as an endocrine disruptor as defined in Delegated Regulations (EC) 2017/2100 or (EC) 2018/605

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Recombinant Norovirus GI.1 VP1 virus-like particles, expressed in a baculovirus-insect cell 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: 20mM Tris-HCl pH7.8, 10mM 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 firefighting if necessary.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**

Wear gloves and eye protection.

**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

**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****9.1 Information of basic physical and chemical properties**

Physical State:	Colourless Liquid
Colour:	Colourless
Odour:	No data available
Odour Threshold (ppm):	No data available
pH (Value):	7.4
Melting Point (°C) / Freezing Point (°C):	No data available
Boiling point/boiling range (°C):	No data available
Flash Point (°C):	No data available
Evaporation rate (BA = 1):	No data available
Flammability (solid, gas):	No data available
Explosive limit ranges:	No data available
Vapour Pressure (mm Hg):	No data available
Vapour Density (Air=1):	No data available
Density (g/ml):	No data available
Solubility (Water):	soluble
Solubility (Other):	No data available
Partition Coefficient (n-Octanol/water):	No data available
Auto Ignition Temperature (°C):	No data available
Decomposition Temperature (°C):	No data available
Viscosity (mPa.s):	No data available
Explosive properties:	No data available
Oxidising properties:	No data available

**9.2 Other information**

No data available

**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

**Hazardous decomposition products**

None known

**11. TOXICOLOGICAL INFORMATION****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****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>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	Causes 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**

RTECS: No data available

**11.2 Information on other hazard classes which relates to endocrine disrupting properties.**

Not applicable

**12. ECOLOGICAL INFORMATION****Toxicity**

No data available

**Persistence and degradability**

Toxin degrades easily

**Bioaccumulative potential**

Low

**Mobility in soil**

No data available

**PBT and vPvB assessment**

No data available

**Endocrine disrupting properties**

No data available

**Other adverse effects**

No data available

**13. DISPOSAL CONSIDERATIONS****Product**

Observe all federal, state, and local environmental regulations. 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.

**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**

Take special care when working in conjunction with hypodermic needles. If i.v. or i.m. injection should occur, consult a physician.

**Last updated:** 03/12/2024

**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.