



# Material Safety Data Sheet

BAVARIAN NORDIC

According to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU

Date of Issue: 05. Feb 2025

## Identification of the substance / preparation and company

### 1.1. Product identification

Product name: Vimkunya (VLP IM Chikungunya vaccine)  
Product Family: Vaccine  
CAS Number: 2986379-37-5  
Synonyms:

Chikungunya virus, virus-like-particle formulated with aluminum hydroxide and filled into syringes (CHIKV VLP)  
Drug Product (DP) = syringes of Vimkunya  
Unlabeled Drug Product (UDP) = unlabeled syringes of Vimkunya  
Assembled Drug Product (ADP) = syringes of Vimkunya with plunger and flange  
Finished Drug Product (FDP) = syringes of Vimkunya in distribution boxes

### 1.2. Manufacturer identification

Bavarian Nordic Berna A/S  
Philip Heymans Alle 3  
2900 Hellerup, Danmark

Phone: +45 3326 8383

This information pertains to the occupational use of the product. For patient information, refer to the patient information leaflet as required by legislation on Medicinal Products for Human Use.

## 2. Hazard identification

Classification: No classifications according to 1272/2008EC  
Hazard statements: No hazard statements according to 1272/2008EC  
Other Hazards: N/A

## 3. Composition / information on ingredients

CHIKV VLP is the active pharmaceutical ingredient (API) of the investigative CHIKV VLP vaccine (IND 017998) formulated with aluminum hydroxide. The VLP is non-infectious and thus does not represent a biological hazard. The product is an aqueous solution filled into syringes. The chemical components of the solution are given in the table below.

Name	CAS No.	Composition in %	GHS Classification
Potassium phosphate monobasic	7778-77-0	0.052	Not classified as hazardous
Potassium phosphate dibasic	7758-11-4	0.107	Not classified as hazardous
Sodium citrate	6132-04-3	0.735	Not classified as hazardous
Sucrose	57-50-1	7.462	Not classified as hazardous
Aluminum hydroxide	21645-51-2*	0.037	Not classified as hazardous

\* CAS-no is for the molecule formula:  $\text{Al}(\text{OH})_3 \cdot \text{H}_2\text{O}$

#### 4. First aid measures

<b>Inhalation:</b>	Avoid inhalation. No data
<b>Skin contact:</b>	Avoid contact with skin. In case of accidental contact with skin, clean thoroughly, rinse skin immediately with plenty of water.
<b>Eye contact:</b>	Avoid contact with eyes. In case of accidental contact with eyes, clean thoroughly, wash eyes immediately with plenty of clean and gently flowing water for at least 15 minutes and seek medical advice.
<b>Ingestion:</b>	Avoid ingestion in occupational settings. In case of accidental ingestion, seek medical advice.

#### 5. Fire-fighting measures

<b>Unusual fire or explosion hazards:</b>	Unknown. Not expected
<b>Hazardous combustion products:</b>	Unknown. Not expected
<b>Suitable Extinguishing media:</b>	Water, foam, $\text{CO}_2$ , other chemical extinguishing media
<b>Special firefighting procedures:</b>	No special requirements

#### 6. Accidental release measures

<b>Personal precautions</b>	Wear lab coat and gloves
<b>Environmental precautions</b>	For large spills, take precautions to prevent entry into waterways, sewers or surface drainage systems
<b>Clean up methods:</b>	If contained, pick up mechanically. If the container is leaking, wear protective clothing (gloves, lab coat, eye protection), wash contaminated surfaces with detergent.
<b>Decontamination procedures:</b>	N/A

#### 7. Handling and storage

<b>Handling Precautions:</b>	General hygiene measures for the handling of this product are applicable (do not eat, drink, or smoke in work area. Wash hands after use, remove contaminated clothing before entering eating areas.)
<b>Storage requirements:</b>	+2 to +8 °C Protect against moisture and protect from light

#### 8. Exposure control / personal protection

<b>Exposure controls:</b>	Wear laboratory clothing, gloves, and eye protection. Avoid ingestion and accidental exposure in occupational setting.
<b>Environmental exposure:</b>	General advice, do not allow uncontrolled discharge of product into the environment.

## 9. Physical and chemical properties

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	White cloudy solution
<b>Density:</b>	not applicable
<b>Solubility in water:</b>	Water based
<b>pH:</b>	Neutral (pH 6.2 – 8.2 at 20°C)

## 10. Stability and reactivity

<b>Reactivity</b>	No hazardous reactions known.
<b>Stability:</b>	Stable under recommended storage conditions
<b>Conditions to avoid:</b>	None for normal handling of this product
<b>Hazardous Decomposition Product:</b>	Not expected

## 11. Toxicological information

<b>Acute or repeated dose toxicity:</b>	not known / not expected
<b>Skin corrosion or irritation:</b>	not known / not expected
<b>Serious Eye Damage/Irritation:</b>	not known / not expected
<b>Respiratory or Skin Sensitization:</b>	not known / not expected
<b>Germ Cell Mutagenicity</b>	not known / not expected
<b>Carcinogenicity</b>	not known / not expected
<b>Reproductive effects</b>	not known / not expected
<b>Other adverse effects</b>	not known / not expected

## 12. Ecological information

<b>Environmental precautions</b>	No data available. Do not discharge into environment. In case of accident follow release measures (6.1.)
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## 13. Disposal considerations

<b>Product</b>	Disposal in agreement with local waste disposal policies and authorities. Follow all Regional and National regulations.
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## 14. Transport Information

<b>Road Transport (ADR)</b>	Not a dangerous good
<b>Marine Transport (IMDG)</b>	Not a dangerous good
<b>Air Transport (IATA)</b>	Not a dangerous good

## 15. Regulatory information

**EU classification and labeling:**

The product does not require a hazard warning label in accordance with 1272/2008EC

**Chemical Safety assessment:**

A chemical safety assessment is not required for this substance

## 16. Other information

This information is based on our present state of knowledge. It should therefore not be construed as guaranteeing specific properties of the products described or their suitability for a particular application. This safety data sheet is written to provide health, safety and environmental information for people handling this formulated product in the workplace. It is not intended to provide information relevant to medicinal use of the product. In this instance patients should consult prescribing information/package insert/product label or consult their pharmacist or physician. For health and safety information for individual ingredients used during manufacturing, refer to the appropriate safety data sheet for each ingredient.