

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: Plasmodium Vivax LDH Protein

IUPAC name: -

Product number: REC31736

CAS number:

Company: The Native Antigen Company

Building B Langford Locks Kidlington Oxfordshire OX5 1LH

Tel+44 (0)1865 595230

E-mail address : contact@thenativeantigencompany.com

#### 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

Plasmodium Vivax LDH protein composed of the full length amino acid sequence of the P. vivax LDH which was expressed and purified from Escherichia coli. 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: Storage buffer: 25mM Tris-HCl pH8.0, 50mM NaCl, and 50% Glycerol Preservatives: 0.09% NaN3, 5 mM EDTA, 1µg/mL Leupeptin, 1µg/mL Aprotinin, and 1µg/mL Pepstatin A.

# 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



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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

#### **SODIUM AZIDE**

Long-term exposure limit (8-hour TWA): WEL 0,1 mg/m³ Short-term exposure limit (15-minute): WEL 0,3 mg/m³ as NaN3 Sk

WEL = Workplace Exposure Limit Sk = Can be absorbed through skin

### 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



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### **Appearance**

Colourless liquid

Safety data

pH: pH 8.0

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

### 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**

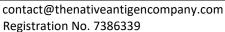
no data available

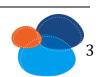
# Potential health effects

Inhalation None



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Ingestion None Skin None

**Eyes** 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: 19 September 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.



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