

# Safety data sheet

classification per Article 31 of Regulation (EC) No. 1907/2006

Valid from: 2017-08-01

Version: 201708\_1\_EN\_1

replaces version dated: N/A because new version

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## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Brand name: Parvovirus PepB (VP2 C-term)  
Product no.: BA122VSVP1B

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

*Identified use:* In vitro diagnostic agent or component of an in vitro diagnostic agent  
*Discouraged uses:* No other relevant information available.

### 1.3 Details of the supplier of the safety data sheet

Institut Virion\Serion GmbH  
Friedrich-Bergius-Ring 19  
97076 Würzburg  
Germany  
Tel. 0049 (0) 931 – 30 45 0  
Fax 0049 (0) 931 – 30 45 100  
Email [dialog@virion-serion.de](mailto:dialog@virion-serion.de)

### 1.4 Emergency telephone number

Manufacturer: 0049 (0) 931 – 30 45 0 (Monday to Friday, 8:30 a.m. to 4:00 p.m.)

## Section 2: Possible hazards

### 2.1 Classification of the substance or mixture

#### Classification per Regulation (EC) No. 1272/2008

Corrosive/irritant effect on the skin, category 1C, H314  
Serious eye damage/irritation, category 1, H318  
Reproductive toxicity D, category 1B, H360D

### 2.2 Label elements

Hazard pictogram(s)



Signal word: **Hazard**

#### H statements:

H314: Causes severe skin burns and eye damage.

H360D: May damage the unborn child.

#### P statements:

P201: Obtain special instructions before use.

P280: Wear protective gloves/protective clothing/eye protection.

P302 + P352: IF ON SKIN: Wash with plenty of water and soap.

P308 + P313: If exposed or concerned: get medical advice/attention.

P501: Collect contents/container and send to an approved disposal company.

### 2.3 Other hazards

This product contains chemically and/or physically inactivated biological agents and should be considered potentially infectious.

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## Section 3: Composition/information on ingredients

### 3.1 Substance

Not applicable

### 3.2 Mixture

Imidazole (fraction: < 2%):

EC no.: 206-019-2; CAS no. 288-32-4

#### Classification (Regulation (EC) No. 1272/2008):

H302: Harmful to health when ingested.

H314: Causes severe skin burns and eye damage.

H360D: May damage the unborn child.

## Section 4: First aid measures

### 4.1 Description of first aid measures

General instructions: Administer artificial respiration for irregular respiration or respiratory arrest. Consult a doctor immediately.

After inhalation: Fresh air or administer oxygen. Consult a doctor.

After skin contact: Wash off with plenty of water. Remove contaminated clothing immediately. See a doctor if there are any symptoms.

After eye contact: Flush eyes with plenty of water and intermittently lift the upper and lower eyelids. Check for contact lenses and remove if present. Consult a doctor.

After swallowing: Rinse out mouth and drink plenty of water. Do not induce vomiting. Consult a doctor if feeling unwell.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention or special treatment needed

No information available.

## Section 5: Firefighting measures

### 5.1 Extinguishing media

*Suitable extinguishing media:* CO<sub>2</sub>, dry powder or water mist spray

Use extinguishing measures appropriate to the environment.

*Unsuitable extinguishing media:*

For this substance/mixture there are no limitations on extinguishing agents.

### 5.2 Special hazards related to this substance or mixture

No information available.

### 5.3 Advice for firefighters

*Special protective equipment for firefighters:*

Self-contained breathing apparatus required when in the hazard area. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. Fire residues and contaminated extinguishing water must be disposed of in accordance with legal requirements.

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## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### 6.1.1 Advice for non-emergency personnel

Do not inhale vapors/aerosols. Avoid contact with substance. Ensure adequate ventilation. Evacuate the danger zone, follow the emergency plan, consult specialists.

#### 6.1.2 Information for emergency responders

Protective equipment: see section 8.

### 6.2 Environmental precautions

Do not allow discharge in sewer system.

### 6.3 Methods and materials for containment and cleaning up

Remove containers from the discharge area. Avoid discharging in sewer system, bodies of water, basements or closed areas. Take up material and put in appropriately labeled waste containers. Dispose of using an accredited waste disposal company. Clean.

### 6.4 Reference to other sections

Instructions for disposal see section 13.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

#### 7.1.1 Advice on safe handling

Avoid exposure. Follow the instructions on the label. Ensure good ventilation and extraction. Open containers carefully.

#### 7.1.2 Hygiene measures

Change contaminated clothing immediately. Apply preventive skin protection. Wash hands after working with substance.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage areas and containers:

Store only in original container. Prevent leakage into soil.

### 7.3 Specific end uses

Apart from the intended use as per section 1.2 no other specific uses are stipulated.

## Section 8: Limiting and monitoring exposure/ personal protective equipment

### 8.1 Parameters to be monitored

Components with limit values that require monitoring in the workplace:

Imidazole (CAS no. 288-32-4)	
MWC	See section IIb

### 8.2 Limiting and monitoring exposure

#### 8.2.1 Engineering safety measures

Keep away from food, beverages and feed.  
Immediately remove all contaminated clothing.  
Wash hands before breaks and after working.  
Avoid contact with the eyes or skin.

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### 8.2.2 Individual protection

Do not eat, drink or smoke when working. Wash hands before breaks and after working. Avoid contact with clothing. Remove contaminated clothing and clean thoroughly. Change work clothing before breaks if necessary.

#### 8.2.2.1 Eye/face protection

Adequate eye protection should be worn.  
Use framed glasses with a side shield.

#### 8.2.2.2 Skin protection

##### Hand protection

Glove material, e.g. nitrile rubber or butyl rubber

The protective gloves must conform to the specifications of EC Directive 89/686/EEC and the related standard EN 374.

##### Other safety precautions

Acid-resistant protective clothing. Select suitable protection equipment for the workplace depending on the concentration and volume of the hazardous substance.

#### 8.2.2.3 Respiratory protection

No information available.

### 8.2.3 Limiting and monitoring environmental exposure

Do not allow discharge in sewer system. Discharge into the environment must be avoided.

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## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	shape: liquid Color: No information available
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point	No information available
Boiling point	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Lower explosion limit	No information available
Upper explosion limit	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Water solubility at 20 °C	No information available
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	not applicable
Decomposition temperature	No information available
Viscosity, dynamic	No information available.
Explosive properties	No information available.
Oxidizing properties	No information available

### 9.2 Other information

No other relevant information available.

## Section 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

The product is chemically stable under the specified storage conditions.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No information available.

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## Section 11: Toxicological information

### 11.1 Information on toxicological effects

Mixture

#### Acute oral toxicity

*Imidazole*: LD 50 (oral): 970 mg/kg

*Mixture*: Calculated estimate of the acute oral toxicity ATE (mix): 57058 mg/kg

#### Acute inhalation toxicity

No information available

#### Acute dermal toxicity

No information available.

#### Skin irritation

No information available.

#### Eye irritation

No information available.

#### Sensitization

No information available.

#### Germ cell mutagenicity

No information available.

#### Carcinogenicity

No information available.

#### Reproductive toxicity

No information available.

#### Teratogenicity

No information available.

#### Specific target organ toxicity - single exposure

No information available.

#### Specific target organ toxicity - repeated exposure

No information available.

#### Aspiration hazard

No information available.

### 11.2 Further information

#### Corrosive/irritant effect on the skin

Relevant ingredients: **Imidazole** (fraction: < 2%):

Not additive

Classification of the substance: Category 1C

SCL: Category 1C: 5% (general threshold value) Category 2: 10% (general threshold value)

Result: The mixture is classified in category 1C.

#### Serious eye damage/irritation

Eye-irritant substances in category 1C also induce severe eye damage. The mixture is therefore classified in category 1.

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### Reproductive toxicity

Relevant ingredients: **Imidazole** (fraction: < 2%):

Classification of the substance: Category 1B

SCL: Category 1B: 0.3% (general threshold value)

Result: The mixture is classified in category 1B, D.

Quantitative data on the toxicity of this product are not available.

This product contains chemically inactivated biological agents and should be considered potentially infectious.

## Section 12: Ecological information

### Mixture

#### 12.1 Toxicity

No information available.

#### 12.2 Persistence and degradability

No information available.

#### 12.3 Bioaccumulation potential

No information available.

#### 12.4 Mobility in soil

No information available.

#### 12.5 Results of PBT and vPvB assessment

There is no PBT/vPvB assessment available because no chemical safety assessment is required/was conducted.

#### 12.6 Other adverse effects

No information available.

### Additional ecological information

Discharge into the environment must be avoided.

## Section 13: Disposal considerations

### Waste treatment methods

Dispose of leftover product in accordance with Directive 2008/98/EC on Waste and national and regional regulations. Do not mix with other waste. Treat uncleaned containers depending on the product.

## Section 14: Transport information

#### 14.1 ADR, IMDG, IATA UN3266

#### 14.2 Proper UN shipping name

**ADR 3266 CORROSIVE BASIC INORGANIC LIQUID SUBSTANCE, N.A.G.**

**IMDG, IATA CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.**

#### 14.3 Transport hazard class

**ADR**

**Class 8 (C5) Corrosive substances**

**Hazard label 8**

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### **IMDG, IATA**

**Class 8 Corrosive substances.**

**Label 8**

#### **14.4 Packing group**

**ADR, IMDG, IATA**

III

#### **14.5 Environmentally hazardous**

**Marine pollutant: No**

#### **14.6 Special precautions for user**

**Caution: Corrosive substances**

**Kemler code: 80**

**Segregation groups Alkalis**

#### **14.7 Transport in bulk according to Annex II of the MARPOL Convention 73/78 and the IBC Code**

Not relevant

#### **14.8 Transport/other information**

**ADR**

**Limited quantity (LQ) 5 L**

**Transport category 3**

**Tunnel restriction code E**

**UN "Model Regulation": UN 3266, CORROSIVE BASIC  
INORGANIC LIQUID SUBSTANCE, N.A.G., 8, III**

### **Section 15: Regulatory information**

#### **15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture**

EU legislation none known

National laws none known

#### **15.2 Chemical safety assessment**

A chemical safety assessment has not been conducted for this product.

### **Section 16: Other information**

#### **Full text of hazard warnings in section 3.2:**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H360D May cause harm to the unborn child.

The information describes the product with reference to the applicable safety precautions. It is not an assurance of the properties of the product.