



Complying to 91/155/EC, 93/112/EC

# Product Safety Data Sheet

## Anivac VHD

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Anivac VHD
Product Code	XVD 300
Supplier	Animalcare Ltd, Common Road, Dunnington, York, YO19 5RU, Telephone No. +44 (0) 1904 487687 Fax No. +44 (0) 1904 487611 E-Mail: animalcare@animalcare.co.uk. Emergency Telephone +44 (0) 1904 487687 (daytime)

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### 2. HAZARDS IDENTIFICATION

Statement of Hazard:	Contains formaldehyde: potential cancer hazard. May cause sensitization of the skin and respiratory system. May cause eye, skin and respiratory irritation. Ingestion effect none known.
EU Identification of danger:	Irritant
EU risk Phrases:	R43 – May cause sensitization by skin contact
Environment:	No information is available about the potential of this product to produce adverse environmental effects

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## Anivac VHD

### 3. COMPOSITION / INFORMATION ON COMPONENTS

#### Hazardous

Ingredient	Cas N°:	EU EINECS List	Amount
Formaldehyde	50-00-0	200-001-8	< 0,2 %
Thiomersal	54-64-8	200-210-4	< 0,02 %

Ingredient	Cas N°:	EU EINECS List	Amount
Rabbit haemorrhagic disease virus	Not assigned	Not listed	Proprietary
Aluminium hydroxide gel	21645-51-2	244-492-7	Proprietary

### 4. FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with water for at least 15 minutes. If irritation occurs or persists, get medical attention.
Skin Contact:	Wash skin with soap and water. If irritation occurs or persists, get medical attention.
Ingestion:	Get medical attention. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.



Complying to 91/155/EC, 93/112/EC

# Product Safety Data Sheet

## Anivac VHD

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Injection: In case of accidental injection, wash the site thoroughly. Contact a physician immediately.

### NOTES TO HEALTH PROFESSIONALS

Medical Treatment: None.

Medical Conditions Caused or

Aggravated by Exposure: The components contained in this vaccine are generally not considered to cause disease in humans.

Antidotes: No specific antidotes are recommended.

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### 5. FIRE FIGHTING MEASURES

Flash Point: Not flammable

Fire and Explosion Hazards: This product is a non-flammable aqueous solution. This material will not support combustion.

Extinguishing Media: CO<sub>2</sub>, Dry Chemical, Water Spray.

Fire Fighting Instructions: Dike and collect water used to fight fire.

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### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protective equipment. (See Section 8)

Spill Cleanup Methods: Small liquid spill: Use a non-combustible material like vermiculite, earth or sand to soak up the product and place into container for later disposal. Incinerate. For large liquid spill: Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for disposal.

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Complying to 91/155/EC, 93/112/EC

# Product Safety Data Sheet

## Anivac VHD

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Environmental Precautions: Prevent runoff from entering drains, sewers or streams. Dike for later disposal.

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### 7. HANDLING AND STORAGE

Precautions : Store in a refrigerator at +2 to +8 °C. Do not allow to freeze. Keep out of reach of children.

Work/Hygienic Practices: Train employees concerning hazards and precautions. Provide adequate local exhaust ventilation. Wash hands and forearms after each use. Use indicated protective equipment while handling.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: None for consumer package. Provide adequate local exhaust ventilation when handling bulk material.

Eye/Face Protection: None for consumer package. Splash goggles/safety glasses when handling bulk material.

Skin Protection: None for consumer package. Impervious gloves and lab coat or uniform when handling bulk material.

Respiratory Protection: None for consumer package. Use a half-mask respirator with HEPA cartridges for the material in bulk.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Colour: No data available.

Physical State: Suspension.

Solubility: No data available.

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## Anivac VHD

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Molecular Formula:	Mixture
Molecular Weight:	Mixture
pH:	5,0 – 7,5
Boiling Point (°C):	>100
Vapor Pressure (kPa):	No data available
Specific Gravity:	1.0 +/-0.2
Flash Point (Liquid) (°C):	Non-flammable

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### 10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Store at 2-8°C. Prolonged exposure to higher temperatures may adversely affect potency. Do not freeze.
Incompatible Materials:	This material can be denatured or inactivated by a variety of organic solvents, salts or heavy metals.

#### Hazardous Decomposition

Products:	None expected under normal conditions.
Polymerization:	Will not occur

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### 11. TOXICOLOGICAL INFORMATION

General Information:	The antigens included in this product are non-infectious. All have been prepared from inactivated preparations of microorganisms. The primary hazards are due to the formaldehyde and thiomersal content. The information included in this section describes the potential hazards of the individual ingredients.
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# Product Safety Data Sheet

## Anivac VHD

**Acute Toxicity:**

	Species	Route	End Point	Dose
<b>Formaldehyde</b>	Rat	Oral	LD <sub>50</sub>	100 mg/kg
<b>Thimerosal</b>	Rat	Oral	LD <sub>50</sub>	75 mg/kg
<b>Thimerosal</b>	Rat	Subcutaneous	LD <sub>50</sub>	98 mg/kg
<b>Thimerosal</b>	Mouse	Oral	LD <sub>50</sub>	91 mg/kg

**Irritation / Sensitization:**

	Species	Study type	Result
<b>Formaldehyde</b>	Rabbit	Eye Irritation	Severe
<b>Formaldehyde</b>	Rabbit	Skin Irritation	Moderate Severe
<b>Thimerosal</b>	Rabbit	Eye Irritation	Mild

**Repeated Dose Toxicity: Formaldehyde**

Duration	Species	Route	Dose	End Point	Trget organ
90 days	Dog	Inhalation	Not specified	-	Lungs
90 days	Rat	Inhalation	Not specified	-	Lungs
90 days	Monkey	Inhalation	Not specified	-	Lungs
9 days	Rat	Inhalation	15 ppm	LOAEL	Respiratory system

**Reproduction & Developmental toxicity: Formaldehyde**

Study type	Species	Route	End Point	Effect
Embryo/Fetal development	Mouse	Oral	185 mg/kg/day	Not teratogenic, Maternal toxicity
Embryo/Fetal development	Rat	Inhalation	40 ppm	Not teratogenic, Maternal toxicity



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## Anivac VHD

Carcinogenity: Formaldehyde

Duration	Species	Route	Dose	End Point	Effect
2 years	Rat	Oral	5,6 ppm	LOAEL	Tumours
2 years	Mouse	Inhalation	14,3 ppm	LOAEL	Tumours

### 12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available  
Persistence and degradability: No data available  
Mobility in soil: No data available  
Other adverse effects: No data available

### 13. DISPOSAL CONSIDERATIONS

General Information: Dispose of in accordance with local, state, federal, national or international regulations.  
Disposal Methods: Incinerate containers and unused contents. Do not empty into drains; dispose of this material and its container in a safe way. Do not contaminate water, food, or feed by disposal.  
RCRA Information: Not applicable

### 14. TRANSPORT INFORMATION

Not classified as Dangerous Goods for Road Transport



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### 15. REGULATORY INFORMATION

#### EU Classification and Labelling

Exempt from requirements of EU Dangerous Preparations directive - product regulated as a medicinal product, cosmetic product or medical device.

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### 16. OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of their use.

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