

According to Regulation (CE) n°1907/2006

Reference: ADI223-100	MSDS-ADI223-B Version: B	Creation date: 01/09/18
------------------------------	-----------------------------	-------------------------

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE and COMPANY

1.1 Product identifier

ADIAVET™ CSFV REAL TIME 100R Kit - A5

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

For veterinary in vitro use only – For animal use only.

1.3 Details of the supplier of the safety data sheet

Company	Adiagène SARL 9 rue Gabriel Calloët-Kerbrat 22440 Ploufragan – France
Phone	+33 (0) 2 96 68 40 20
e-mail	export@biox.com

1.4 Emergency telephone number

Emergency telephone number France : (I.N.R.S) +33 (0)1 45 42 59 59
(Or contact your local Poison Control Center)

2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Not a hazardous mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

According to Regulation (EC) No. 1272/2008.

Hazard symbol(s) : N/A

H phrase(s) : N/A

P phrase(s) : N/A

2.3 Other hazards

None known

According to Regulation (CE) n°1907/2006

Reference: ADI223-100	MSDS-ADI223-B Version: B	Creation date: 01/09/18
------------------------------	-----------------------------	-------------------------

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	EINECS #	Classification	Weight ratio %
Glycerol	56-81-5	200-289-5	N/A	1 – 10%
Tris (tris hydroxy amino methane)	77-86-1	201-064-4	Skin Irrit. 2 – H315, Eye Irrit. 2 – H319	< 1 %
Triton ^R X100 (Polyethylene glycol tert-octylphenyl ether)	9002-93-1	/	Acute Tox. Oral 4 – H302 Eye Irrit. 2 – H319 Aquatic Chronic 2 – H411	< 0.5 %

4. FIRST AID MEASURES

4.1 Description of the first aid measure

Eye contact	Rinse immediately and as long as possible with plenty of water (for at least 10 minutes). Eyelids should be held away from the eyeball to ensure thorough rinsing. Immediately summon eye specialist.
Skin contact	Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Summon doctor.
Inhalation	In case of inhalation place the person in fresh air – Summon doctor
Ingestion	Only when conscious, rinse mouth with water, do not induce vomiting. Summon doctor.
General advice	In all cases of doubt, or when symptoms persist, seek medical attention.

4.2 Most important symptoms and effects both acute and delayed

Symptoms of exposure may include nausea, vomiting, eye irritation, skin irritation.

4.3 Indication of immediate medical attention and special treatment needed

No data available

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing agents	Water, fire extinguishing powder, carbon dioxide or foam.
Non-suitable extinguishing agents	None

5.2 Special hazards arising from substance of mixture

According to Regulation (CE) n°1907/2006

Reference: ADI223-100	MSDS-ADI223-B Version: B	Creation date: 01/09/18
------------------------------	-----------------------------	-------------------------

Hazardous decomposition products formed under fire conditions. - COx ; NOx ; HCl

According to Regulation (CE) n°1907/2006

Reference: ADI223-100	MSDS-ADI223-B Version: B	Creation date: 01/09/18
------------------------------	-----------------------------	-------------------------

5.3 Advice for firefighters

Protective equipment Wear self contained breathing apparatus for fire fighting if necessary
Other information Use water spray to cool unopened containers

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes and clothing. Do not breathe vapours; aerosols.
 Ensure adequate ventilation. Evacuate the danger area , observe emergency procedure.

6.2 Environmental precautions

Isolate spill area. Do not allow entering drains or watercourses.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Contain spill material. Absorb the material with e.g. tissues or other liquid-absorbent material (eg Chemizorb®) place in a container in conformity with local regulations and subsequently, dispose properly and clean up affected area.

6.4 Reference to other sections

Indications about waste treatment, see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe handling advice Avoid contact with skin, eyes and clothing.
 Wash hands and/or face before taking a break or leaving work.

7.2 Conditions for safe storage including any incompatibilities

Conditions for safe storage Follow information on labelling and/or user manual.

Requirements for storage Keep closed. Shelter from light.
 Store at a temperature below -15°C.

7.3 Other information Specific end use(s)

Do not eat, drink or smoke in application area.
 Keep working clothes separately and do not take them home.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

According to Regulation (CE) n°1907/2006

Reference: ADI223-100	MSDS-ADI223-B Version: B	Creation date: 01/09/18
------------------------------	-----------------------------	-------------------------

Components with workplace control parameters

Sodium azide

Basis	Value	Threshold value	Comment
FVL	Short term limit value	0.3 mg/m ³	Occupational exposure values in France
	Mean exposition limit value (TWA)	0.1 mg/m ³	

Glycerol

Basis	Value	Threshold value	Comment
FVL	Mean exposition limit value (TWA)	10.0 mg/m ³	Occupational exposure values in France

8.2 Exposure control

8.2.1 Appropriate engineering controls :

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

8.2.2 Individual protection measures

Technical measures

No specific recommendations.

Personal protection:

Respiratory

No specific recommendations

Eye

Wear suitable eye/face protection.

Hand

Wear suitable gloves (nitrile rubber)

Skin and body

Wear suitable protective clothing

8.2.3 Environment exposure controls

No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state

Solution

Colour

colourless or pinkish

According to Regulation (CE) n°1907/2006

Reference: ADI223-100	MSDS-ADI223-B Version: B	Creation date: 01/09/18
------------------------------	-----------------------------	-------------------------

Odour	Odourless
Boiling point/boiling range	Not determined
Flash point	N/A
Flammability	N/A
Explosive properties	Not determined
Vapour pressure	Not determined
Density	Not determined
Relative density air=1	Not determined
Solubility in water	Soluble
pH	8
Viscosity	Not determined
Oxidising properties	Not determined
Conductivity	Not determined

10. STABILITY AND REACTIVITY

10.1 Reactivity

Data not available

10.2 Chemical stability

Stable under recommended storage and handling conditions

10.3 Possibility of hazard reaction

Data not available

10.4 Conditions to avoid

Contact with acids liberates very toxic gas. Heating.

10.5 Incompatible material

Strong oxidizing agents; strong bases and acids; acid chloride

10.6 Hazardous decomposition products

In case of fire (see Chapter 5)

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information about Sodium azide

According to Regulation (CE) n°1907/2006

Reference: ADI223-100	MSDS-ADI223-B Version: B	Creation date: 01/09/18
------------------------------	-----------------------------	-------------------------

- **Acute toxicity oral**

LD50 rat

Dose : 27 mg/kg

- **Acute inhalation toxicity**

CL50 rat

Dose : 27 mg/kg

Symptoms : irritation of mucosal membranes in mouth, throat, respiratory insufficiency

- **Acute skin toxicity**

LD50 rabbit

Dose : 20 mg/kg

- **Skin irritation**

Data not available

- **Eye irritation**

Data not available

- **Sensitization**

Data not available

- **In vitro Genotoxicity**

Data not available

- **Specific target organ – single exposure**

Data not available

- **Specific target organ – repeated exposure**

Data not available

- **Aspiration hazard**

Data not available

Information about TRIS

- **Acute toxicity oral**

LD50 rat

Dose : 5 900 mg/kg

Symptoms : Vomiting, diarrhea, convulsions

Information about Triston^R X100

- **Acute toxicity oral**

LD50 Oral - rat - 1.800 mg/kg

- **Acute skin toxicity**

LD50 Dermale - lapin - 8.000 mg/kg

According to Regulation (CE) n°1907/2006

Reference: ADI223-100	MSDS-ADI223-B Version: B	Creation date: 01/09/18
------------------------------	-----------------------------	-------------------------

- **Eye irritation**

Rabbit

Result : mild irritation (24h)
(external SDS)

- **Carcinogenicity / Mutagenicity / Reprotoxicity**

Substance of very high concern (SVHC) according to REACH (regulation (N° 1907/2006);art. 57c). Added to the list of "Candidate substances".

Information about glycerol

- **Acute toxicity oral**

LD50 rat

Dose : 12 600 mg/kg

Symptoms : Vomiting, diarrhea

- **Acute skin toxicity**

LD50 rabbit

Dose : > 18 700 mg/kg

(IUCLID)

- **Skin irritation**

Rabbit

Result : no irritation
(IUCLID)

- **Eye irritation**

Rabbit

Result : no irritation
(external SDS)

- **Sensitization**

Patch test: human

Result : negative
(IUCLID)

- **In vitro Genotoxicity**

Ames test

Result : negative
(IUCLID)

- **Specific target organ – single exposure**

Not classified as specific target organ toxicant - single exposure

- **Specific target organ – repeated exposure**

Not classified as specific target organ toxicant, repeated exposure

- **Aspiration hazard**

Not classified

According to Regulation (CE) n°1907/2006

Reference: ADI223-100	MSDS-ADI223-B Version: B	Creation date: 01/09/18
------------------------------	-----------------------------	-------------------------

11.2 Other information

HEALTH HAZARDS:

CAUTION : This product contains source materials of animal origin. These materials should be handled as though they might contain potentially infectious agents.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Information about Sodium azide

- *Toxicity to fish*

LC50

Species : *Lepomis macrochirus*

Dose : 0.68 mg/L

Exposure time : 96 h

- *Toxicity to daphnia and other aquatic invertebrates*

EC50

Species : *Daphnia pulex*

Dose: 4.2 mg/L

Exposure time: 48 h

Information about Triston^R X100

- *Toxicity to fish*

LC50

Species : *Pimephales promelas*

Dose : 8,9 mg/L

Exposure time : 96 h

- *Toxicity to daphnia and other aquatic invertebrates*

EC50

Species : *Daphnia magna*

Dose: 26 mg/L

Exposure time: 48 h

(external SDS)

Information about glycerol

- *Toxicity to fish*

LC50

Species : *Carassius auratus*

Dose : > 5 000 mg/L

Exposure time : 24 h

According to Regulation (CE) n°1907/2006

Reference: ADI223-100	MSDS-ADI223-B Version: B	Creation date: 01/09/18
------------------------------	-----------------------------	-------------------------

- *Toxicity to daphnia and other aquatic invertebrates*

EC50

Species : Daphnia magna
Dose: > 10 000 mg/L
Exposure time: 24 h
(external SDS)

- *Toxicity to algae*

IC5

Species: Scenedesmus quadricauda
Dose: > 10 000 mg/L
Exposure time: 7 days
(external SDS)

- *Toxicity to bacteria*

EC5

Species: Pseudomonas putida
Dose: > 10 000 mg/L
Exposure time: 16 h
(external SDS)

12.2 Persistence and degradability

Information about glycerol

- *Biodegradability*

Result : readily biodegradable
63%
Exposure time: 14 days
(OCDE guideline 301c)

Information about Triston^R X100

Result : slowly biodegradable
36%
Exposure time: 28 days
(external SDS)

12.3 Bioaccumulative potential

Information about glycerol

Partition Coefficient : n-octanol/water
Log POW: - 1.76
Bioaccumulation not expected (Log Pow 1-3)
(external SDS)

12.4 Mobility in soil

Data not available

According to Regulation (CE) n°1907/2006

Reference: ADI223-100	MSDS-ADI223-B Version: B	Creation date: 01/09/18
------------------------------	-----------------------------	-------------------------

12.5 Results of PBT and vPvB assessment

Data not available

12.6 Other information

Do not allow entering soil, drains or watercourses

13. DISPOSAL CONSIDERATIONS

- Product** Disposal of chemical waste in compliance with corresponding local laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies, which will advise on how to dispose this type of waste.
- Contaminated packaging** Disposal in compliance with corresponding local laws and regulations. Handle contaminated packaging in the same way as the product itself.
- Other information** If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. TRANSPORT INFORMATION

Not dangerous product according to Transport regulations

15. REGULATORY INFORMATION

This Safety Data Sheet conforms to Regulation (EC) n° 1907/2006 (REACH) Annexe II.

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

Data not available

15.2 Chemical safety assessment

Data not available

16. OTHER INFORMATION

This information only concerns the above mentioned products and does not need to be valid if used with other product(s) or in any process. The information is correct and complete to our best present knowledge and is given in good faith, but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

For veterinary in vitro use only – For animal use only.