

Material Safety Data Sheet



According to Regulation (CE) n°1907/2006

Reference : ADI461-100	ADI461-100 – MARK - MSDS - (EN) - V01 Version : 01	Creation date: 04/07/2024
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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE and COMPANY

1.1 Product identifier

ADIAVET™ MAREK REAL TIME 100R Kit - A5

CAS No.: N/A

EC No.: N/A

REACH No.: N/A

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 ADIAGENE SAS
9 rue Gabriel Calloët-Kerbrat
22440 Ploufragan – France

Phone +33 (0) 2 96 68 40 20

e-mail info@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

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None known

PBT : N/A

vPvB : N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product is a mixture of the hazardous substances listed below along with unlisted non-hazardous substances.

Ingredients	CAS #	EINECS #	Classification	Weight ratio %
Glycerol	56-81-5	200-289-5	N/A	< 3 %

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

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

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.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Glycerol

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

Additional information : The lists valid during the making were used as basis.

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. The usual precautionary measures are to be adhered to when handling chemicals.

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 impervious to the specific chemical.
Glove material: Nitrile
Glove thickness : > 0,11 mm
Use gloves, classified according to standard EN374

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

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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	8,5
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 glycerol

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- **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

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 glycerol

- *Toxicity to fish*

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LC50

Species : Carassius auratus

Dose : > 5 000 mg/L

Exposure time : 24 h

- *Toxicity to daphnia and other aquatic invertebrates*

EC50

Species : Daphnia magna

Dose: > 10 000 mg/L

Exposure time: 24 h

(external SDS)

- *Toxicity to algeas*

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)

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

12.5 Results of PBT and vPvB assessment

Data not available

12.6 Other information

Do not allow entering soil, drains or watercourses

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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

IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations

UN number or ID number	Not Applicable
UN proper shipping name	Not Applicable
Transport hazard class(es)	Not Applicable
Packing group	Not Applicable

Environmental hazards

Not Applicable

Special precautions for user

Not Applicable

Maritime transport in bulk according to IMO instruments

Not Applicable

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

Regulated explosives precursors

None of the ingredient is listed

Regulated poisons

None of the ingredient is listed

Reportable explosives precursors

None of the ingredient is listed

Reportable poisons

None of the ingredient is listed

Directive 2012/18/EU

Named dangerous substances – ANNEX I

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None of the ingredients listed

Classification according to VbF:

Generally, not hazardous for water

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.

ADN	European agreement concerning the international carriage of dangerous goods by waterways
ADR	European agreement concerning the international carriage of dangerous goods by road
CAS	Chemical Abstracts Service number
CLP	Classification, Labelling and Packaging
DOT-US	Department of Transportation (United states)
EC	European Community
ECx	Effective Concentration x%
EINECS	European inventory of Existing Commercial Chemical Substances
GHS	Globally harmonized system of classification and Labelling of Chemicals
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IC50	Semi-maximum inhibitory concentration
IUCLID	International Uniform Chemical Information Database
IMDG	International Maritime Dangerous Goods Code
IMO	International Maritime Organization
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative and Toxic
REACH	Registration, Evaluation and Authorisation of CHemicals
RID	Regulations concerning the International Carriage of Goods by Rail
SCL	Lethal concentration threshold
SDS	Security data sheet
STEL	Short term Exposure Limit
TWA	Time Weighted Average
UNxxxx	Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods
VbF	Flammable liquids regulations (German regulations)
vPvB	Very Persistent and very Bioaccumulative