

# Material Safety Data Sheet



According to Regulation (CE) n°1907/2006

|                    |                                                |                           |
|--------------------|------------------------------------------------|---------------------------|
| Reference : 418020 | 418020 - LAWI - SD - (EN) - V01<br>Version: 01 | Creation date: 04/07/2024 |
|--------------------|------------------------------------------------|---------------------------|

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE and COMPANY

### 1.1 Product identifier

ADIAVET™ LAW 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

None known

ADIAGENE SAS  
9 rue Gabriel Calloët-Kerbrat  
22440 Ploufragan  
France

tel. (33) 2 96 68 40 20

E-mail: [info@biox.com](mailto:info@biox.com)  
[HTTP://www.biox.com](http://www.biox.com)

# Material Safety Data Sheet



According to Regulation (CE) n°1907/2006

|                           |                                                |                           |
|---------------------------|------------------------------------------------|---------------------------|
| <b>Reference :</b> 418020 | 418020 - LAWI - SD - (EN) - V01<br>Version: 01 | Creation date: 04/07/2024 |
|---------------------------|------------------------------------------------|---------------------------|

**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.

| Chemical Name                     | CAS #      | EINECS #  | REACH registration number | Classification according to regulation (EC) No. 1272/2008 (CLP) | Weight ratio % |
|-----------------------------------|------------|-----------|---------------------------|-----------------------------------------------------------------|----------------|
| Glycerine                         | 56-81-5    | 200-289-5 | 01-2119471987-18-XXXX     | N/A                                                             | 5 – 15%        |
| SODIUM AZIDE<br>26628-22-8 (<0.1) | 26628-22-8 | -         | -                         | Acute Tox. 2<br>H300 Acute 1<br>H400 Chronic 1 –<br>H410        | <0.1           |

| Chemical Name | Specific concentration limit (SCL) | M-Factor  | Acute Toxicity Estimate |
|---------------|------------------------------------|-----------|-------------------------|
| Glycerine     | 56-81-5                            | 200-289-5 | 01-2119471987-18-XXXX   |
| SODIUM AZIDE  | 26628-22-8                         | -         | -                       |

## 4. FIRST AID MEASURES

### 4.1 Description of the first aid measure

|                       |                                                                                                                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>    | 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. Remove contact lenses, if present and easy to do. Immediately summon eye specialist. |
| <b>Skin contact</b>   | Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Summon doctor.                                                                                                                                     |
| <b>Inhalation</b>     | In case of inhalation place the person in fresh air – Summon doctor                                                                                                                                                                                     |
| <b>Ingestion</b>      | Only when conscious, rinse mouth with water, do not induce vomiting. Summon doctor.                                                                                                                                                                     |
| <b>General advice</b> | 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

# Material Safety Data Sheet



According to Regulation (CE) n°1907/2006

|                    |                                                |                           |
|--------------------|------------------------------------------------|---------------------------|
| Reference : 418020 | 418020 - LAWI - SD - (EN) - V01<br>Version: 01 | Creation date: 04/07/2024 |
|--------------------|------------------------------------------------|---------------------------|

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

**Extinguishing agents** Water spray, fire extinguishing powder, carbon dioxide (CO<sub>2</sub>) or foam.

**Non-suitable extinguishing agents** None

### 5.2 Special hazards arising from substance of mixture

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

### 5.3 Advice for firefighters

**Protective equipment** Wear self-contained breathing apparatus for firefighting if necessary. Standard procedure for fighting chemical fires.

**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. Always wear recommended Personal Protective Equipment. Do not breathe vapours; aerosols. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedure. See section 8 for more information.

### 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.  
Use personal protective equipment as required. No special handling advices are necessary. Wash hands and/or face before taking a break or leaving work.

# Material Safety Data Sheet



According to Regulation (CE) n°1907/2006

|                    |                                                |                           |
|--------------------|------------------------------------------------|---------------------------|
| Reference : 418020 | 418020 - LAWI - SD - (EN) - V01<br>Version: 01 | Creation date: 04/07/2024 |
|--------------------|------------------------------------------------|---------------------------|

## 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

#### Components with workplace control parameters

##### Glycerol

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

##### Sodium azide

| Basis | Value                             | Threshold value       | Comment                                |
|-------|-----------------------------------|-----------------------|----------------------------------------|
| FVL   | Mean exposition limit value (TWA) | 0.1 mg/m <sup>3</sup> | 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.

#### 8.2.2 Individual protection measures

##### Technical measures

No specific recommendations.

##### Personal protection:

##### Respiratory

In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

# Material Safety Data Sheet



According to Regulation (CE) n°1907/2006

|                    |                                                |                           |
|--------------------|------------------------------------------------|---------------------------|
| Reference : 418020 | 418020 - LAWI - SD - (EN) - V01<br>Version: 01 | Creation date: 04/07/2024 |
|--------------------|------------------------------------------------|---------------------------|

|               |                                       |
|---------------|---------------------------------------|
| Eye           | Tight sealing safety goggles.         |
| 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              | liquid                |
| Colour                      | colourless or pinkish |
| 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

# Material Safety Data Sheet



According to Regulation (CE) n°1907/2006

|                           |                                                |                           |
|---------------------------|------------------------------------------------|---------------------------|
| <b>Reference :</b> 418020 | 418020 - LAWI - SD - (EN) - V01<br>Version: 01 | Creation date: 04/07/2024 |
|---------------------------|------------------------------------------------|---------------------------|

## 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

##### - 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

# Material Safety Data Sheet



According to Regulation (CE) n°1907/2006

|                           |                                                |                           |
|---------------------------|------------------------------------------------|---------------------------|
| <b>Reference :</b> 418020 | 418020 - LAWI - SD - (EN) - V01<br>Version: 01 | Creation date: 04/07/2024 |
|---------------------------|------------------------------------------------|---------------------------|

- **Specific target organ – repeated exposure**

Not classified as specific target organ toxicant, repeated exposure

- **Aspiration hazard**

Not classified

**Information about sodium azide**

Data not available

## 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*

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 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)

# Material Safety Data Sheet



According to Regulation (CE) n°1907/2006

|                    |                                                |                           |
|--------------------|------------------------------------------------|---------------------------|
| Reference : 418020 | 418020 - LAWI - SD - (EN) - V01<br>Version: 01 | Creation date: 04/07/2024 |
|--------------------|------------------------------------------------|---------------------------|

## Information about sodium azide

Data not available

## 12.2 Persistence and degradability

### Information about glycerol

#### - Biodegradability

Result: readily biodegradable

63%

Exposure time: 14 days

(OCDE guideline 301c)

## Information about sodium azide

Data not available

## 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)

## Information about sodium azide

Data not available

## 12.4 Mobility in soil

Data not available

## 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

## 12.6 Other information

Do not allow entering soil, drains or watercourses

## 13. DISPOSAL CONSIDERATIONS

|                               |                                                                                                                                                                                                                                                      |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product</b>                | 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. |
| <b>Contaminated packaging</b> | Disposal in compliance with corresponding local laws and regulations. Handle contaminated packaging in the same way as the product itself.                                                                                                           |
| <b>Other information</b>      | 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

ADIAGENE SAS  
9 rue Gabriel Calloët-Kerbrat  
22440 Ploufragan  
France

tel. (33) 2 96 68 40 20

E-mail: [info@biox.com](mailto:info@biox.com)  
[HTTP://www.biox.com](http://www.biox.com)

# Material Safety Data Sheet



According to Regulation (CE) n°1907/2006

|                           |                                                |                           |
|---------------------------|------------------------------------------------|---------------------------|
| <b>Reference :</b> 418020 | 418020 - LAWI - SD - (EN) - V01<br>Version: 01 | Creation date: 04/07/2024 |
|---------------------------|------------------------------------------------|---------------------------|

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

## Environmental hazards

Data not available

## Special precautions for user

Data not available

## Maritime transport in bulk according to IMO instruments

Data not available

## 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

Data not available

#### Regulated poisons

Data not available

#### Reportable explosives precursors

Data not available

#### Reportable poisons

Data not available

#### Directive 2012/18/EU

#### Named dangerous substances – ANNEX I

Data not available

#### Classification according to VbF:

Data not available

#### Classification according to VwVwS

| Chemical name | Weight ratio % | Water classification (VwVwS) – Annex I | Water classification (VwVwS) – Annex 2 Water pollution categories | Water classification (VwVwS) – Annex 3 |
|---------------|----------------|----------------------------------------|-------------------------------------------------------------------|----------------------------------------|
| Glycerine     | 5 – 10%        | -                                      | Hazard class 1 – low hazard to waters                             | -                                      |
| Sodium azide  | <0.1%          | -                                      | Hazard class 2 – hazard to waters                                 | -                                      |

# Material Safety Data Sheet



According to Regulation (CE) n°1907/2006

|                    |                                                |                           |
|--------------------|------------------------------------------------|---------------------------|
| Reference : 418020 | 418020 - LAWI - SD - (EN) - V01<br>Version: 01 | Creation date: 04/07/2024 |
|--------------------|------------------------------------------------|---------------------------|

## 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                                                       |