

# Material Safety Data Sheet



According to Regulation (CE) n°1907/2006

<b>Reference :</b> ADI273-100	ADI273-100 - TOXO - SD - (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™ TOXO FAST 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

#### 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 :** No components considered to be either persistent, bioaccumulative and toxic

**vPvB :** No components considered to be either very persistent and very bioaccumulative

### 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 according to regulation (EC) No. 1272/2008 (CLP)	Weight ratio %
Glycerol 1,2,3-Propanetriol, Glycerin, C3H8O3	56-81-5	200-289-5	Not a hazardous substance or mixture	< 0.5 %

### 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. 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

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

<b>Extinguishing agents</b>	Water, fire extinguishing powder, carbon dioxide or foam.
<b>Non-suitable extinguishing agents</b>	None known

#### 5.2 Special hazards arising from substance of mixture

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Hazardous decomposition products formed under fire conditions. - CO<sub>x</sub> ; NO<sub>x</sub> ; SO<sub>x</sub> ; PO<sub>x</sub> ; KO<sub>x</sub> ; H<sub>2</sub>S

## 5.3 Advice for firefighters

**Protective equipment** Wear self-contained breathing apparatus for firefighting 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. Notify authorities if large amounts of the product enters sewers or public waters

### 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 <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

<b>Technical measures</b>	No specific recommendations.
<b>Personal protection:</b>	
<b>Respiratory</b>	No specific recommendations
<b>Eye</b>	Wear suitable eye/face protection.
<b>Hand</b>	Wear suitable gloves (nitrile rubber)
<b>Skin and body</b>	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

<b>Physical state</b>	Solution
<b>Colour</b>	colourless or pinkish
<b>Odour</b>	Odourless
<b>Boiling point/boiling range</b>	Not determined

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<b>Flash point</b>	N/A
<b>Flammability</b>	N/A
<b>Explosive properties</b>	Not determined
<b>Vapour pressure</b>	Not determined
<b>Density</b>	Not determined
<b>Relative density air=1</b>	Not determined
<b>Solubility in water</b>	Soluble
<b>pH</b>	Not determined
<b>Viscosity</b>	Not determined
<b>Oxidising properties</b>	Not determined
<b>Conductivity</b>	Not determined

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under normal conditions

### 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 acids, Strong bases, Strong oxidising agents, Reducing agents, Alkali metals, Acid chlorides, Phosphorus halides.

### 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

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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*

LC50

Species: Carassius auratus

Dose : > 5 000 mg/L

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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)

## 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 regulated  
**UN proper shipping name** Not regulated  
**Transport hazard class(es)** Not regulated  
**Packing group** Not regulated

### Environmental hazards

No

### Special precautions for user

Data not available

### Maritime transport in bulk according to IMO instruments

Not regulated

## 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

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## Named dangerous substances – ANNEX I

Data not available

## Classification according to VbF:

Data not available

Contains no REACH substances with annex XVII restrictions  
Contains no substance on the REACH candidate list  $\geq 0,1\%$  SCL  
Contains no REACH annex XIV substances

## 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

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