

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 PRODUCT IDENTIFIER**

Trade name: **BIOTOOLS HighScriptools one step**

Product Number: 10.071, 10.073,

Chemical Name: Not Applicable

**1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST.**

**Relevant identified uses: For research use only. Not for use in diagnostic procedures.**

**Uses advised against: Not for consumer use**

**1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET.**

**Manufacturer / Supplier**

Company: Biotoools, B & M Labs, S.A.

Valle de Tobalina – 52 – Nave 39

28021 Madrid

SPAIN

Tel: +34 91 710 00 74

Fax: +34 91 505 31 18

**1.4 EMERGENCY NUMBER**

Please contact Biotoools distributor in your country. Spain only: 91 562 04 20

**2. HAZARDS IDENTIFICATION**

**Primary routes of entry**

Skin or eye contact from splashes.

**Ingestion**

Harmful if swallowed. May cause irritation to the gastrointestinal tract.

**Skin contact**

May cause irritation

**Eye contact**

Irritating

**Evidence for reproductive toxicity, carcinogenicity and mutagenicity**

No data available

**2.1 CLASSIFICATION OF THE MIXTURE**

| <b>Hazard Ingredients</b>           |   |
|-------------------------------------|---|
| <b>Hydrochloric acid</b>            | Corrosive to Metals (Category 1), H290<br>Skin corrosion (Sub-category 1B), H314  |
| <b>REGULATION (EC) No 1272/2008</b> | Serious eye damage (Category 1), H318<br>Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335                    |
| <b>Triton® X-100</b>                | Acute toxicity, Category 4, Oral, H302<br>Skin irritation, Category 2, H315   |
| <b>REGULATION (EC) No 1272/2008</b> | Serious eye damage, Category 1, H318<br>Short-term (acute) aquatic hazard, Category 1, H400<br>Long-term (chronic) aquatic hazard, Category 1, H410 |

## 2.2 LABEL ELEMENTS

### Label elements

#### Hazard pictograms

None

#### Signal Word

None

#### Hazard Statements

Not Applicable

#### EU Specific Hazard Statements

Not Applicable

#### Precautionary Statements

#### Prevention

Not Applicable

#### Response

Not Applicable

#### Storage

Not Applicable

#### Disposal

Not Applicable

## 2.3 OTHER HAZARDS

None known

## 3.COMPOSITION OF THE PRODUCT/INFORMATION ON INGREDIENTS



### 3.1 SUBSTANCE

Not applicable

### 3.2 MIXTURE

Chemical characterisation: Solutions in buffer. Volume of each product package varies: 50µl – 2.8ml.

Active ingredients:

| CAS-No    | EC no     | Name                      | Contents | Danger <sup>1</sup>  | Risks  |
|-----------|-----------|---------------------------|----------|--|--|
| 56-81-5   | 200-289-5 | <b>Glycerol</b>           | ≥0.1%    | None   | None   |
| 77-86-1   | 201-064-4 | <b>Trizma base</b>        | ≥0.1%    | None   | None   |
| 7447-40-7 | 231-211-8 | <b>Potassium chloride</b> | >0.1%    | None   | None   |
| 7487-88-9 | 231-298-2 | <b>Magnesium sulphate</b> | ≥0.1%    | None   | None   |
| 107-43-7  | 203-490-6 | <b>Betaine</b>            | ≥5%      | None   | None   |
| 7647-01-0 | 231-595-7 | <b>Hydrochloric acid</b>  | ≥0.1%    | <br> | Met. Corr. 1; Skin Corr. 1B; Eye Dam. 1; STOT SE 3; H290, H314, H318, H335<br>Concentration limits:<br>≥ 0,1 %: Met. Corr. 1, H290; ≥ 25 %: Skin Corr. 1B, H314; 10 - < 25 %: Skin Irrit. 2, H315; 10 - < 25 %: Eye Irrit. 2, H319; ≥ 10 %: STOT SE 3, H335; |

Triton® X-100

Formula

$C_8H_{17}C_6H_4(OCH_2CH_2)_nOH$      $C_{14}H_{21}(C_2H_4O)_nOH$

Hazardous components (REGULATION (EC) No 1272/2008)

Chemical name (Concentration)

CAS-No.    Registration number    Classification

Octylphenol polyethoxyethanol (>= 80 % - <= 100 % )

9036-19-5    \*)

Acute toxicity, Category 4, H302

Skin irritation, Category 2, H315

Serious eye damage, Category 1, H318

Short-term (acute) aquatic hazard, Category 1, H400

Long-term (chronic) aquatic hazard, Category 1, H410

M-Factor: 10

\*) A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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#### 4. FIRST AID MEASURES

##### 4.1 DESCRIPTION OF FIRST AID MEASURES

###### **Skin contact**

Wash skin with water and soap and rinse thoroughly. Remove contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Get medical attention.

###### **Eye contact**

Rinse opened eyes for at least 15 min with copious amounts of water. Check for and remove any contact lenses. Call a ophthalmologist.

###### **Ingestion**

Caution if victim vomits. Risk of aspiration! Keep airways free. Pulmonary failure possible after aspiration of vomit. Call a physician immediately.

###### **Inhalation**

After inhalation remove to fresh air.

##### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Irritation and corrosion

Vomiting, Dermatitis

Drying-out effect resulting in rough and chapped skin

Risk of corneal clouding

Risk of serious damage to eyes

##### 4.3 INDICATION OF ANY IMMEDIATE ATTENTION AND SPECIAL TREATMENT NEEDED

No information available

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#### 5. FIRE FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

**Suitable extinguishing media**

Water, Foam, Carbon dioxide (CO<sub>2</sub>), Dry powder.

**Unsuitable extinguishing media**

For this mixture no limitations of extinguishing agents are given.

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Hydrogen chloride gas

Combustible.

Vapours are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

### 5.3 ADVICE FOR FIREFIGHTERS

**Special protective equipment for firefighters**

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing

**Further information**

Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**Advice for non-emergency personnel:**

Do not breathe vapours, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

**Advice for emergency responders:**

Protective equipment see section 8.

### 6.2 ENVIRONMENTAL PRECAUTIONS

Do not let product enter drains.

### 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

### 6.4 REFERENCE TO OTHER SECTIONS

Indications about waste treatment see section 13.

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## 7. HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Hygiene measures**

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage conditions:**

Tightly closed.

Recommended storage temperature see product label

### 7.3 SPECIFIC END USE(S)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

### 8.2 EXPOSURE CONTROLS

#### Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7.1.

#### Individual protection measures

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

#### *Eye/face protection*

Tightly fitting safety goggles

Use equipment for eye protection tested and approved under appropriate government standards

#### *Hand protection*

full contact:

Glove material: butyl-rubber  
Glove thickness: 0,7 mm  
Break through time: > 480 min

splash contact:

Glove material:butyl-rubber  
Glove thickness:0,7 mm  
Break through time:> 480 min

#### *Other protective equipment*

protective clothing

#### *Respiratory protection*

required when vapours/aerosols are generated.

Recommended Filter type: Filter A-(P2)

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

#### Environmental exposure controls

Do not let product enter drains.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

**Form:** Liquid

**Colour:** Colorless

**Odour:** Odorless

**Boiling point:** no data available.

**Flash point:** no data available

**Explosive properties:** no data available

**Vapor pressure:** no data available

**pH:** 7-9

### 9.2 OTHER DATA

No information available

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## 10. STABILITY AND REACTIVITY

**10.1 REACTIVITY**

Forms explosive mixtures with air on intense heating.  
A range from approx. 15 Kelvin below the flash point is to be rated as critical.

**10.2 CHEMICAL STABILITY**

Stable under normal handling and storage conditions

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

Violent reactions possible with:  
Strong oxidizing agents, Strong acids

**10.4 CONDITIONS TO AVOID**

Strong heating, strong oxidizing agents and fire

**10.5 INCOMPATIBLE MATERIALS**

Bases, Amines, Alkali metals, Metals, permanganates, for example potassium permanganate, Fluorine, metal acetylides, hexalithium disilicide Metals

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

In the event of fire: See section 5.

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**11. TOXICOLOGICAL INFORMATION**

**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

**Glycerol**

*Acute toxicity*

LD50 Oral - Rat - 27.200 mg/kg

Remarks: (ECHA)

LD50 Dermal - Rabbit - > 10.000 mg/kg

Remarks: (External MSDS)

*Skin corrosion/irritation*

Skin - Rabbit

Result: No skin irritation - 24 h

Remarks: (ECHA)

*Serious eye damage/eye irritation*

Eyes - Rabbit

Result: No eye irritation

Remarks: (ECHA)

*Respiratory or skin sensitization*

No data available

*Germ cell mutagenicity*

No data available

*Carcinogenicity*

No data available

*Reproductive toxicity*

No data available

*Specific target organ toxicity - single exposure*

No data available

*Specific target organ toxicity - repeated exposure*

No data available

*Aspiration hazard*

No data available

**Trizma base**

*Acute toxicity*

LD50 Oral - Rat - female - > 5.000 mg/kg

(OECD Test Guideline 425)

LD50 Dermal - Rat - male and female - > 5.000 mg/kg

(OECD Test Guideline 402)

*Skin corrosion/irritation*

Skin - Rabbit

Result: No skin irritation - 4 h

(OECD Test Guideline 404)

*Serious eye damage/eye irritation*

Eyes - Rabbit

Result: No eye irritation

(OECD Test Guideline 405)

*Respiratory or skin sensitization*

No data available

*Germ cell mutagenicity*

Mutagenicity (mammal cell test): chromosome aberration.

Chinese hamster lung cells

Result: negative

In vitro mammalian cell gene mutation test

Chinese hamster ovary cells

Result: negative

*Carcinogenicity*

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

*Reproductive toxicity*

No data available

*Specific target organ toxicity - single exposure*

No data available

*Specific target organ toxicity - repeated exposure*

No data available

*Aspiration hazard*

No data available

**Potassium chloride**

*Acute toxicity*

LD50 Oral - Rat - female - 3.020 mg/kg

Remarks:

(ECHA)

*Skin corrosion/irritation*

No data available

*Serious eye damage/eye irritation*

No data available

*Respiratory or skin sensitization*

No data available

*Germ cell mutagenicity*

Ames test

Salmonella typhimurium

Result: negative

Remarks:

(ECHA)

In vitro mammalian cell gene mutation test

mouse lymphoma cells

Result: negative

Remarks:

(ECHA)

Mutagenicity (mammal cell test): chromosome aberration.

Chinese hamster lung cells

Result: positive

Remarks:

(ECHA)

*Carcinogenicity*

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

*Reproductive toxicity*

No data available

*Specific target organ toxicity - single exposure*

No data available

*Specific target organ toxicity - repeated exposure*

No data available

*Aspiration hazard*

No data available

**Magnesium sulfate**

*Acute toxicity*

LD50 Oral - Rat - > 2.000 mg/kg

LD50 Inhalation - Rabbit - > 2.000 mg/l

LD50 Intraperitoneal - Mouse - 1.029 mg/kg

*Skin corrosion/irritation*

Skin - in vitro assay

Result: No skin irritation

*Serious eye damage/eye irritation*

Eyes - Rabbit

Result: No eye irritation

(OECD Test Guideline 405)

*Respiratory or skin sensitisation*

in vivo assay – Mouse

Result: Did not cause sensitisation on laboratory animals.

Does not cause skin sensitisation.

(OECD Test Guideline 429)

Remarks: No data available

*Germ cell mutagenicity*

No data available

*Carcinogenicity*

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Betaine**

*Acute toxicity*

LD50 Oral - Rat - male and female - 11.179 mg/kg

(OECD Test Guideline 401)

LD50 Intravenous - Mouse - 830 mg/kg

*Serious eye damage/eye irritation*

Eyes - Rabbit

Result: No eye irritation



(OECD Test Guideline 405)

*Respiratory or skin sensitisation*

Maximisation Test - Guinea pig

Result: Does not cause skin sensitisation.

(OECD Test Guideline 406)

*Germ cell mutagenicity*

Salmonella typhimurium

Result: negative

OECD Test Guideline 474

Mouse - male and female

Result: negative

*Carcinogenicity*

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Hydrochloric acid**

*Acute toxicity*

Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

No data available

Symptoms: mucosal irritations, Cough, Shortness of breath, Possible damages:., damage of respiratory tract

Inhalation: Cough Difficulty in breathing (Hydrochloric Acid)

Inhalation: absorption (Hydrochloric Acid)

Symptoms: mucosal irritations, Cough, Shortness of breath, Inhalation may lead to the formation of oedemas in the respiratory tract., Possible damages:., damage of respiratory tract, tissue damage

*Skin corrosion/irritation*

Mixture causes burns.

Skin - reconstructed human epidermis (RhE) (Hydrochloric Acid)

Result: Corrosive

(OECD Test Guideline 431)

*Serious eye damage/eye irritation*

Mixture causes serious eye damage. Risk of blindness!

Eyes - Bovine cornea (Hydrochloric Acid)

Result: Corrosive

(OECD Test Guideline 437)

*Respiratory or skin sensitization*

Maximization Test - Guinea pig (Hydrochloric Acid)

Result: negative

(OECD Test Guideline 406)

*Germ cell mutagenicity*

Chromosome aberration test in vitro (Hydrochloric Acid)

Chinese hamster ovary cells

Result: Conflicting results have been seen in different studies.

*Carcinogenicity*

Carcinogenicity - Did not show carcinogenic effects in animal experiments. (IUCLID) (Hydrochloric Acid)

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

*Reproductive toxicity*

No data available

*Specific target organ toxicity - single exposure*

Mixture may cause respiratory irritation.

Acute oral toxicity - If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Acute inhalation toxicity - mucosal irritations, Cough, Shortness of breath, Possible damages:, damage of respiratory tract

Acute inhalation toxicity - mucosal irritations, Cough, Shortness of breath, Inhalation may lead to the formation of oedemas in the respiratory tract., Possible damages:, damage of respiratory tract, tissue damage (Hydrochloric Acid)

*Specific target organ toxicity - repeated exposure*

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

*Aspiration hazard*

No aspiration toxicity classification (Hydrochloric Acid)

**Triton® X-100:**

*Acute oral toxicity* LD50

Rat: 1.900 - 5.000 mg/kg

Symptoms: Vomiting, Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract., Risk of aspiration upon vomiting., Aspiration may cause pulmonary oedema and pneumonitis.

*Acute inhalation toxicity*

Symptoms: Possible damages:, mucosal irritations

*Acute dermal toxicity*

LD50 Rabbit: > 3.000 mg/kg

*Skin irritation*Rabbit

Result: irritating

OECD Test Guideline 404

Drying-out effect resulting in rough and chapped skin. Dermatitis

*Eye irritation*

Risk of corneal clouding.

Causes serious eye damage.

*Sensitisation*

Sensitisation test: human

Result: negative

*Germ cell mutagenicity*

This information is not available.

*Carcinogenicity*

This information is not available.

*Reproductive toxicity*

This information is not available.

*Teratogenicity*

This information is not available.

*Specific target organ toxicity - single exposure*

This information is not available.

*Specific target organ toxicity - repeated exposure*

This information is not available.

*Aspiration hazard*

This information is not available.

## 11.2 FURTHER INFORMATION

After absorption:

We have no description of any symptoms of toxicity.

Other dangerous properties cannot be excluded.

Handle in accordance with good industrial hygiene and safety practice

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## 12. ECOLOGICAL INFORMATION

### 12.1 TOXICITY

#### **Glycerol**

*Toxicity to fish*

static test LC50 - Oncorhynchus mykiss (rainbow trout) - 54.000

mg/l - 96 h

Remarks: (ECHA)

#### **Trizma base**

*Toxicity to daphnia and other aquatic invertebrates*

static test EC50 - Daphnia magna (Water flea) - > 980 mg/l - 48 h

(OECD Test Guideline 202)

*Toxicity to bacteria*

static test EC50 - activated sludge - > 1.000 mg/l - 3 h

(OECD Test Guideline 209)

#### **Potassium Chloride**

*Toxicity to fish*

static test LC50 - Pimephales promelas (fathead minnow) - 880 mg/l - 96 h

(OECD Test Guideline 203)

*Toxicity to daphnia and other aquatic invertebrates*

static test EC50 - Daphnia magna (Water flea) - 440 - 880 mg/l - 48h

(OECD Test Guideline 202)

*Toxicity to algae*

static test ErC50 - Desmodesmus subspicatus (green algae) - > 100mg/l - 72 h

(OECD Test Guideline 201)

*Toxicity to bacteria*

static test EC50 - activated sludge - > 1.000 mg/l - 3 h

(OECD Test Guideline 209)

#### **Magnesium Sulfate**

*Toxicity to fish*

LC50 - Pimephales promelas (fathead minnow) - 2.820 mg/l - 96 h

*Toxicity to daphnia and other aquatic invertebrates*

EC50 - Daphnia magna (Water flea) - 343,56 mg/l - 48 h

Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - 2.700 mg/l - 72 h

(ISO 8692)

#### **Betaine**

*Toxicity to daphnia and other aquatic invertebrates*

Immobilization EC50 - Daphnia magna (Water flea) - 4.335 mg/l -

48 h

(OECD Test Guideline 202)

*Toxicity to algae*

Growth inhibition EC50 - *Desmodesmus subspicatus* (green algae) -  
1.199 mg/l - 72 h  
(OECD Test Guideline 201)

**Hydrochloric Acid**

*Toxicity to fish*

LC50 - *Gambusia affinis* (Mosquito fish) - 282 mg/l - 96 h  
Remarks: (IUCLID)

**Triton® X-100**

*Toxicity to fish*

semi-static test LC50 *Leuciscus idus* (Golden orfe): 0,26 mg/l; 96 h

Analytical monitoring: yes

OECD Test Guideline 203

The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol

*Toxicity to daphnia and other aquatic invertebrates*

static test EC50 *Daphnia magna* (Water flea): 0,011 mg/l; 48 h

(ECOTOX Database) The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol

*Toxicity to algae*

static test EC50 *Pseudokirchneriella subcapitata* (green algae): 1,9 mg/l; 96 h

(ECHA) The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol

*Toxicity to fish (Chronic toxicity)*

flow-through test *Danio rerio* (zebra fish): 0,012 mg/l

Analytical monitoring: yes

OECD Test Guideline 210

The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol

*Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) semi-static test*

NOEC *Daphnia magna* (Water flea): 0,03 mg/l; 21 d

Analytical monitoring: yes

OECD Test Guideline 202

The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol

**12.2 PERSISTENCE AND DEGRADABILITY**

*Biodegradability*

*Triton® X-100* CAS No.: 9036-19-5

22 %; 28 d; aerobic

OECD Test Guideline 301C

Not readily biodegradable.

**12.3 BIOACCUMULATIVE POTENTIAL**

*Triton® X-100* CAS No.: 9036-19-5

*Partition coefficient: n-octanol/water*

log Pow: 2,7 (20 °C)

(calculated)

**12.4 MOBILITY IN SOIL**

No information available.

**12.5 RESULTS OF PBT AND vPvB ASSESSMENT**

Substance(s) in the mixture do(es) not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII, or a PBT/vPvB assessment was not Conducted.

## 12.6 OTHER ADVERSE EFFECTS

### **Hydrochloric Acid**

May be harmful to aquatic organisms due to the shift of the pH. Do not empty into drains.

Harmful effect due to pH shift.

Discharge into the environment must be avoided.

### **Triton® X-100**

*Additional ecological information*

Causes endocrine disruption.

Discharge into the environment must be avoided.

The value is given in analogy to the following substances: 4-(1,1,3,3-tetramethylbutyl)phenol

Water hazard class (DE): 1 WGK No.: n.n.

Storage class (VCI): 12-13

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## 13. DISPOSAL CONSIDERATIONS

Controlled disposal in waste system. Product disposal (leftovers or residues resulting from normal use) does not pose any serious hazards in the adequate proportion.

The product and packaging should be disposed of in accordance with the instructions of the local authorities.

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## 14. TRANSPORT INFORMATION

### **14.1 UN number**

ADR/RID: - IMDG: - IATA: -

### **14.2 UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### **14.3 Transport hazard class(es)**

ADR/RID: - IMDG: - IATA: -

### **14.4 Packaging group**

ADR/RID: - IMDG: - IATA: -

### **14.5 Environmental hazards**

ADR/RID: no IMDG Marine pollutant: no IATA: no

### **14.6 Special precautions for user**

### **Further information**

Not classified as dangerous in the meaning of transport regulations.

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## 15. REGULATORY INFORMATION

### **15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Substances of very high concern (SVHC)

This product does contain substances of very high concern according to Regulation (EC) No 1907/2006

*Triton® X-100* CAS No.: 9036-19-5

This product contains a substance listed on Annex XIV of the REACH Regulation (EC) Nr. 1907/2006.

Listed substance / Sunset Date:

Octylphenol polyethoxyethanol / 04.01.2021

## 15.2 CHEMICAL SAFETY ASSESSMENT

For this product a chemical safety assessment was not carried out.

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## 16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

**H290 MAY BE CORROSIVE TO METALS.**

**H302 HARMFUL IF SWALLOWED.**

**H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE**

**H315 CAUSES SKIN IRRITATION.**

**H318 CAUSES SERIOUS EYE DAMAGE.**

**H319 CAUSES SERIOUS EYE IRRITATION.**

**H335 MAY CAUSE RESPIRATORY IRRITATION.**

**H400 VERY TOXIC TO AQUATIC LIFE.**

**H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.**

### Training advice

Provide adequate information, instruction and training for operators.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge, and is applicable to the product with regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Biotools, B & M Labs, S.A. shall not be held liable for any damage resulting from handling or from contact with the above product.

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