

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Article  
Product name : Fastin Elastin Assay kit  
Type of product : Laboratory testing kit containing dyes, reagents, standards, etc.

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Professional use  
Use of the substance/mixture : Dye-binding method for the analysis of elastins extracted from mammalian sources.

##### 1.2.2. Uses advised against

Restrictions on use : Use only for intended applications.

#### 1.3. Details of the supplier of the safety data sheet

Biocolor Limited  
8 Meadowbank Road  
BT38 8YF Carrickfergus  
T +44 (0) 28 93369716  
[info@biocolor.co.uk](mailto:info@biocolor.co.uk) - [www.biocolor.co.uk](http://www.biocolor.co.uk)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 28 93350258 (Mon-Fri 08:30-16:30)

| Country        | Organisation/Company  | Address   | Emergency number | Comment |
|----------------|---|---|------------------|---------|
| United Kingdom | National Poisons Information Service (Birmingham Centre)<br>City Hospital                                       | Dudley Road<br>B18 7QH Birmingham                           | 0344 892 0111    |         |
| United Kingdom | National Poisons Information Service (Cardiff Centre)<br>Gwenwyn Ward, Llandough Hospital                       | Penarth<br>CF64 2XX Cardiff                                 | 0344 892 0111    |         |
| United Kingdom | National Poisons Information Service<br>Edinburgh<br>Royal Infirmary of Edinburgh                               | Little France Crescent<br>EH16 4SA Edinburgh                | 0344 892 0111    |         |
| United Kingdom | Guy's & St Thomas' Poisons Unit<br>Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust                   | Avonley Road<br>SE14 5ER London                             | +44 20 7188 7188 |         |
| United Kingdom | National Poisons Information Service (Newcastle Centre)<br>Regional Drugs and Therapeutics Centre, Wolfson Unit | Claremont Place<br>Newcastle-upon-Tyne<br>NE1 4LP Newcastle | 0344 892 0111    |         |
| United Kingdom | National Poisons Information Service (Belfast Centre)<br>Royal Victoria Hospital                                | Grosvenor Road<br>BT12 6BA Belfast                          | 0344 892 0111    |         |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3

H226

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

|  |      |
|--|------|
| Skin corrosion/irritation, Category 1, Sub-Category 1A                                     | H314 |
| Serious eye damage/eye irritation, Category 1  | H318 |
| Specific target organ toxicity — Single exposure, Category 3, Narcosis                     | H336 |
| Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation | H335 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 2                          | H411 |
| Full text of H statements : see section 16   |      |

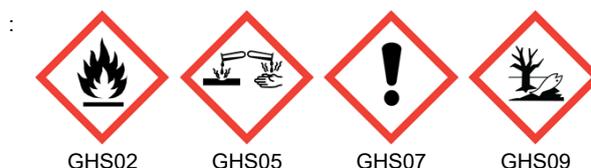
### Adverse physicochemical, human health and environmental effects

None under normal use.

## 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Contains

: trichloroacetic acid; oxalic acid dihydrate; hydrochloric acid ... %; propan-1-ol; guanidinium chloride

Hazard statements (CLP)

: H226 - Flammable liquid and vapour.

H314 - Causes severe skin burns and eye damage.

H335 - May cause respiratory irritation.

H336 - May cause drowsiness or dizziness.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P260 - Do not breathe vapours, spray.

P264 - Wash hands thoroughly after handling.

P273 - Avoid release to the environment.

P280 - Wear protective clothing, eye protection, face protection.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water .

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER, a doctor.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Extra phrases

: The classification, labelling and advice given for this kit is based on the following hazardous components:

1x30ml vial Precipitating Reagent H314 1A, H335, H411

1x30ml vial Dye Dissociation Reagent H315, H226, H318, H336.

## 2.3. Other hazards

Other hazards which do not result in classification : None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

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### 3.2. Mixtures

| Name   | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|--|---|---------|--|
| propan-1-ol<br>substance with national workplace exposure limit(s)<br>(GB) | CAS-No.: 71-23-8<br>EC-No.: 200-746-9<br>EC Index-No.: 603-003-00-0   | 30 – 40 | Flam. Liq. 2, H225<br>Eye Dam. 1, H318<br>STOT SE 3, H336  |
| guanidinium chloride   | CAS-No.: 50-01-1<br>EC-No.: 200-002-3<br>EC Index-No.: 607-148-00-0   | 20 – 30 | Acute Tox. 4 (Oral), H302 (ATE=500<br>mg/kg bodyweight)<br>Eye Irrit. 2, H319<br>Skin Irrit. 2, H315   |
| trichloroacetic acid   | CAS-No.: 76-03-9<br>EC-No.: 200-927-2<br>EC Index-No.: 607-004-00-7   | 5 – 15  | Skin Corr. 1A, H314<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| oxalic acid dihydrate  | CAS-No.: 6153-56-6<br>EC-No.: 612-167-2                               | 5 – 15  | Acute Tox. 4 (Oral), H302 (ATE=1080<br>mg/kg bodyweight)<br>Acute Tox. 4 (Dermal), H312 (ATE=1100<br>mg/kg bodyweight)<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318 |
| hydrochloric acid ... %  | CAS-No.: 7647-01-0<br>EC-No.: 231-595-7<br>EC Index-No.: 017-002-01-X | 5 – 15  | Skin Corr. 1B, H314<br>STOT SE 3, H335   |

### Specific concentration limits

| Name                    | Product identifier  | Specific concentration limits   |
|-------------------------|---|---|
| trichloroacetic acid    | CAS-No.: 76-03-9<br>EC-No.: 200-927-2<br>EC Index-No.: 607-004-00-7   | ( 1 ≤C < 100) STOT SE 3, H335   |
| hydrochloric acid ... % | CAS-No.: 7647-01-0<br>EC-No.: 231-595-7<br>EC Index-No.: 017-002-01-X | ( 10 ≤C < 25) Skin Irrit. 2, H315<br>( 10 ≤C < 25) Eye Irrit. 2, H319<br>( 10 ≤C < 100) STOT SE 3, H335<br>( 25 ≤C < 100) Skin Corr. 1B, H314 |

Comments : The classification, labelling and advice given for this kit is based on the following hazardous components:  
1x30ml vial Precipitating Reagent H314 1A, H335, H411  
1x30ml vial Dye Dissociation Reagent H315, H226, H318, H336

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, call a doctor.

First-aid measures after skin contact : Take off contaminated clothing and wash it before reuse. Gently wash with plenty of soap and water. Get immediate medical advice/attention.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. In case of contact, immediately rinse eyes with plenty of water for at least 15 minutes. Get immediate medical advice/attention.

First-aid measures after ingestion : If swallowed: rinse mouth. Do NOT induce vomiting. Drink plenty of water. Get medical advice/attention if you feel unwell.

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### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : May cause respiratory irritation. May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Causes severe skin burns and eye damage.                             |
| Symptoms/effects after eye contact  | : Causes serious eye damage.   |
| Symptoms/effects after ingestion    | : None.  |

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Use extinguishing agent suitable for surrounding fire. Dry chemical, CO <sub>2</sub> , or water spray or regular foam. |
| Unsuitable extinguishing media | : None.  |

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Do not allow run-off from fire-fighting to enter drains or water courses.                     |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |  |
|------------------|--|
| General measures | : Use self-contained breathing apparatus and chemically protective clothing. Do not breathe vapours. Avoid contact with skin and eyes. Ventilate the area thoroughly. No flames, no sparks. Eliminate all sources of ignition. |
|------------------|--|

#### 6.1.1. For non-emergency personnel

|                      |  |
|----------------------|--|
| Protective equipment | : For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Ventilate spillage area.   |

#### 6.1.2. For emergency responders

|                      |  |
|----------------------|--|
| Protective equipment | : For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|--|

### 6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Toxic to aquatic life with long lasting effects.

### 6.3. Methods and material for containment and cleaning up

|                         |   |
|-------------------------|---|
| Methods for cleaning up | : Contain or absorb spilled liquid with earth or other absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. After cleaning, flush traces away with water. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
|-------------------------|---|

### 6.4. Reference to other sections

SECTION 8. SECTION 11. SECTION 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing vapours. Wear protective gloves, protective clothing, eye protection, face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Keep cool. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Incompatible products : Keep away from food, drink and animal feedingsuffs.

#### 7.3. Specific end use(s)

Dye-binding method for the analysis of elastins extracted from mammalian sources.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. National occupational exposure and biological limit values

| Fastin Elastin Assay kit                      |   |
|---|---|
| United Kingdom - Occupational Exposure Limits |   |
| Local name                                    | Propan-1-ol   |
| WEL TWA [1]                                   | 500 mg/m <sup>3</sup>   |
| WEL TWA [2]                                   | 200 ppm   |
| WEL STEL                                      | 625 mg/m <sup>3</sup>   |
| WEL STEL [ppm]                                | 250 ppm   |
| Remark (WEL)                                  | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference                          | EH40/2005 (Third edition, 2018). HSE  |
| propan-1-ol (71-23-8)                         |   |
| United Kingdom - Occupational Exposure Limits |   |
| Local name                                    | Propan-1-ol   |
| WEL TWA [1]                                   | 500 mg/m <sup>3</sup>   |
| WEL TWA [2]                                   | 200 ppm   |
| WEL STEL                                      | 625 mg/m <sup>3</sup>   |
| WEL STEL [ppm]                                | 250 ppm   |
| Remark (WEL)                                  | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE   |

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

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### 8.1.4. DNEL and PNEC

| <b>potassium (E,E)-hexa-2,4-dienoate (24634-61-5)</b> |                         |
|---|-------------------------|
| <b>DNEL/DMEL (Workers)</b>                            |                         |
| Long-term - systemic effects, dermal                  | 40 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation              | 17.63 mg/m <sup>3</sup> |
| <b>DNEL/DMEL (General population)</b>                 |                         |
| Long-term - systemic effects, oral                    | 2 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation              | 52.17 mg/m <sup>3</sup> |
| Long-term - systemic effects, dermal                  | 20 mg/kg bodyweight/day |
| Long-term - local effects, dermal                     | 0.17 mg/cm <sup>2</sup> |
| Long-term - local effects, inhalation                 | 26.08 mg/m <sup>3</sup> |
| <b>PNEC (Water)</b>                                   |                         |
| PNEC aqua (freshwater)                                | 0.48 mg/l               |
| PNEC aqua (marine water)                              | 0.048 mg/l              |
| PNEC aqua (intermittent, freshwater)                  | 4.8 mg/l                |
| <b>PNEC (Sediment)</b>                                |                         |
| PNEC sediment (freshwater)                            | 1.73 mg/kg dwt          |
| PNEC sediment (marine water)                          | 0.173 mg/kg dwt         |
| <b>PNEC (Soil)</b>                                    |                         |
| PNEC soil   | 1.67 mg/kg dwt          |
| <b>PNEC (STP)</b>                                     |                         |
| PNEC sewage treatment plant                           | 10 mg/l                 |

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Good standard of general ventilation.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves. Safety glasses. Protective clothing. Insufficient ventilation: wear respiratory protection.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses. EN 166

#### 8.2.2.2. Skin protection

##### Hand protection:

Protective gloves made of latex. Nitrile rubber gloves, natural rubber gloves. PVC gloves. EN 374

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### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state                                  | : Liquid   |
| Colour  | : Dye Reagent is red, all other components are colourless.   |
| Odour   | : odourless.   |
| Odour threshold                                 | : Not available  |
| Melting point                                   | : Not available  |
| Freezing point                                  | : Not available  |
| Boiling point                                   | : Not available  |
| Flammability                                    | : Not available  |
| Explosive limits                                | : Not available  |
| Lower explosive limit (LEL)                     | : Not available  |
| Upper explosive limit (UEL)                     | : Not available  |
| Flash point                                     | : > 32 °C Extrapolated from information in "Fire Protection Guide to Hazardous Materials", 13th Ed., page 325-57 (2002). |
| Auto-ignition temperature                       | : Not available  |
| Decomposition temperature                       | : Not available  |
| pH  | : Not available  |
| Viscosity, kinematic                            | : Not available  |
| Solubility                                      | : Not available  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : Not available  |
| Vapour pressure at 50 °C                        | : Not available  |
| Density   | : Not available  |
| Relative density                                | : Not available  |
| Relative vapour density at 20 °C                | : Not available  |
| Particle size                                   | : Not applicable   |
| Particle size distribution                      | : Not applicable   |
| Particle shape                                  | : Not applicable   |
| Particle aspect ratio                           | : Not applicable   |
| Particle aggregation state                      | : Not applicable   |
| Particle agglomeration state                    | : Not applicable   |
| Particle specific surface area                  | : Not applicable   |
| Particle dustiness                              | : Not applicable   |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None.

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### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

Strong oxidizing agents. alkalis.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### oxalic acid dihydrate (6153-56-6)

|                                   |  |
|-----------------------------------|--|
| LD50 oral rat                     | 1080 mg/kg   |
| Skin corrosion/irritation         | : Causes severe skin burns.  |
| Serious eye damage/irritation     | : Causes serious eye damage.   |
| Respiratory or skin sensitisation | : Not classified   |
| Germ cell mutagenicity            | : Not classified   |
| Carcinogenicity                   | : Not classified   |
| Reproductive toxicity             | : Not classified   |
| STOT-single exposure              | : May cause drowsiness or dizziness. May cause respiratory irritation. |

#### hydrochloric acid ... % (7647-01-0)

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

#### propan-1-ol (71-23-8)

|                        |                                    |
|------------------------|------------------------------------|
| STOT-single exposure   | May cause drowsiness or dizziness. |
| STOT-repeated exposure | : Not classified                   |
| Aspiration hazard      | : Not classified                   |

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

#### 11.2.2. Other information

Other information : The classification, labelling and advice given for this kit is based on the following hazardous components:  
1x30ml vial Precipitating Reagent H314 1A, H335, H411  
1x30ml vial Dye Dissociation Reagent H315, H226, H318, H336

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

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Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

Additional information : The classification, labelling and advice given for this kit is based on the following hazardous components:  
1x30ml vial Precipitating Reagent H314 1A, H335, H411  
1x30ml vial Dye Dissociation Reagent H315, H226, H318, H336.

### oxalic acid dihydrate (6153-56-6)

|                      |          |
|----------------------|----------|
| EC50 - Crustacea [1] | 137 mg/l |
|----------------------|----------|

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

#### Fastin Elastin Assay kit

|                           |                           |
|---------------------------|---------------------------|
| Bioaccumulative potential | Bioaccumulation unlikely. |
|---------------------------|---------------------------|

### 12.4. Mobility in soil

#### Fastin Elastin Assay kit

|                |  |
|----------------|--|
| Ecology - soil | Miscible with water. Expected to be highly mobile in soil. |
|----------------|--|

### 12.5. Results of PBT and vPvB assessment

#### Fastin Elastin Assay kit

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : This material and its container must be disposed of as hazardous waste. Incineration is recommended however disposal methods must take into account the substances added to the kit by the end user. Dyes must never be disposed of to drains or water courses.

## SECTION 14: Transport information

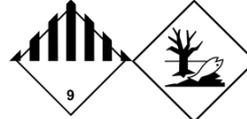
In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                  | IMDG         | IATA         | ADN          | RID          |
|--------------------------------------|--------------|--------------|--------------|--------------|
| <b>14.1. UN number or ID number</b>  |              |              |              |              |
| UN 3316                              | UN 3316      | UN 3316      | UN 3316      | UN 3316      |
| <b>14.2. UN proper shipping name</b> |              |              |              |              |
| CHEMICAL KIT                         | CHEMICAL KIT | Chemical kit | CHEMICAL KIT | CHEMICAL KIT |

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| ADR   | IMDG  | IATA  | ADN  | RID   |
|---|---|---|--|---|
| <b>Transport document description</b>   |   |   |  |   |
| UN 3316 CHEMICAL KIT, 9, II, (E), ENVIRONMENTALLY HAZARDOUS                       | UN 3316 CHEMICAL KIT, 9, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS           | UN 3316 Chemical kit, 9, II, ENVIRONMENTALLY HAZARDOUS                            | UN 3316 CHEMICAL KIT, 9, II, ENVIRONMENTALLY HAZARDOUS                             | UN 3316 CHEMICAL KIT, 9, II, ENVIRONMENTALLY HAZARDOUS                              |
| <b>14.3. Transport hazard class(es)</b>   |   |   |  |   |
| 9   | 9   | 9   | 9  | 9   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>  |   |   |  |   |
| II  | II  | II  | II   | II  |
| <b>14.5. Environmental hazards</b>  |   |   |  |   |
| Dangerous for the environment: Yes  | Dangerous for the environment: Yes<br>Marine pollutant: Yes                       | Dangerous for the environment: Yes  | Dangerous for the environment: Yes   | Dangerous for the environment: Yes  |
| No supplementary information available  |   |   |  |   |

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : M11  
Special provisions (ADR) : 251, 340, 671  
Limited quantities (ADR) : See SP 251  
Excepted quantities (ADR) : See SP 340  
Packing instructions (ADR) : P901  
Transport category (ADR) : 2  
Tunnel restriction code (ADR) : E  
EAC code : 2Z

#### Transport by sea

Special provisions (IMDG) : 251, 340  
Packing instructions (IMDG) : P901  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-P  
Stowage category (IMDG) : A

#### Air transport

PCA Excepted quantities (IATA) : E0  
PCA Limited quantities (IATA) : Y960  
PCA limited quantity max net quantity (IATA) : 1kg  
PCA packing instructions (IATA) : 960  
PCA max net quantity (IATA) : 10kg  
CAO packing instructions (IATA) : 960  
CAO max net quantity (IATA) : 10kg  
Special provisions (IATA) : A44, A163  
ERG code (IATA) : 9L

#### Inland waterway transport

Classification code (ADN) : M11  
Special provisions (ADN) : 251, 340  
Limited quantities (ADN) : See SP 251  
Excepted quantities (ADN) : See SP 340

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Equipment required (ADN) : PP  
Number of blue cones/lights (ADN) : 0

### Rail transport

Classification code (RID) : M11  
Special provisions (RID) : 251, 340, 671  
Limited quantities (RID) : see SP251  
Excepted quantities (RID) : see SP340  
Packing instructions (RID) : P901  
Transport category (RID) : See SP 671  
Hazard identification number (RID) : 90

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Indication of changes:

Modified. according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

### Abbreviations and acronyms

|         |  |
|---------|--|
| ADN     | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways                      |
| ADR     | European Agreement concerning the International Carriage of Dangerous Goods by Road                                  |
| CAS-No. | Chemical Abstract Service number   |
| CLP     | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  |
| DMEL    | Derived Minimal Effect level   |
| DNEL    | Derived-No Effect Level  |
| EC50    | Median effective concentration   |
| EC-No.  | European Community number  |
| IATA    | International Air Transport Association  |
|         | IBC Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IMO) |
| IMDG    | International Maritime Dangerous Goods   |
| LC50    | Median lethal concentration  |
| LD50    | Median lethal dose   |

# Fastin Elastin Assay kit

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| Abbreviations and acronyms |   |
|----------------------------|---|
| NOAEL                      | No-Observed Adverse Effect Level  |
| PBT                        | Persistent Bioaccumulative Toxic  |
| PNEC                       | Predicted No-Effect Concentration   |
| REACH                      | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID                        | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| vPvB                       | Very Persistent and Very Bioaccumulative  |

Data sources : ECHA (European Chemicals Agency). Supplier's safety documents.

| Full text of H- and EUH-statements |  |
|------------------------------------|--|
| Acute Tox. 4 (Dermal)              | Acute toxicity (dermal), Category 4  |
| Acute Tox. 4 (Oral)                | Acute toxicity (oral), Category 4  |
| Aquatic Acute 1                    | Hazardous to the aquatic environment — Acute Hazard, Category 1                            |
| Aquatic Chronic 1                  | Hazardous to the aquatic environment — Chronic Hazard, Category 1                          |
| Eye Dam. 1                         | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2                       | Serious eye damage/eye irritation, Category 2  |
| Flam. Liq. 2                       | Flammable liquids, Category 2  |
| Skin Corr. 1                       | Skin corrosion/irritation, Category 1  |
| Skin Corr. 1A                      | Skin corrosion/irritation, Category 1, Sub-Category 1A                                     |
| Skin Corr. 1B                      | Skin corrosion/irritation, Category 1, Sub-Category 1B                                     |
| Skin Irrit. 2                      | Skin corrosion/irritation, Category 2  |
| STOT SE 3                          | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| STOT SE 3                          | Specific target organ toxicity — Single exposure, Category 3, Narcosis                     |
| H225                               | Highly flammable liquid and vapour.  |
| H226                               | Flammable liquid and vapour.   |
| H302                               | Harmful if swallowed.  |
| H312                               | Harmful in contact with skin.  |
| 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.  |
| H336                               | May cause drowsiness or dizziness.   |
| H400                               | Very toxic to aquatic life.  |
| H410                               | Very toxic to aquatic life with long lasting effects.                                      |
| H411                               | Toxic to aquatic life with long lasting effects.   |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.