

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

### 1.1. Product identifier

|                 |               |
|-----------------|---------------|
| Product form    | : Mixture     |
| Trade name      | : TRIZYME     |
| Product code    | : TRIZ        |
| Type of product | : Enzyme      |
| Product group   | : End product |

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

#### 1.2.1. Relevant identified uses

No additional information available

#### 1.2.2. Uses advised against

No additional information available

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

Murphy and Son Ltd  
Alpine Street  
Old Basford  
Nottingham  
NG6 0HQ

### 1.4. Emergency telephone number

Emergency number : +115 978 5494  
Office Hours Only

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Not classified

#### Adverse physicochemical, human health and environmental effects

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### 2.2. Label elements

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

EUH-statements : EUH208 - Contains AMYLASE, ALPHA-(9000-90-2), PROTEASE (Bacilolysin)(76774-43-1),  
BETA-GLUCANASE(62213-14-3). May produce an allergic reaction.  
EUH210 - Safety data sheet available on request.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 3.2. Mixtures

| Name                   | Product identifier                                                    | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]                     |
|------------------------|-----------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|
| GLYCERIN               | CAS-No.: 56-81-5<br>EC-No.: 200-289-5                                 | 30 – 50 | Not classified                                                                      |
| SODIUM CHLORIDE        | CAS-No.: 7647-14-5<br>EC-No.: 231-598-3<br>REACH-no: 01-2119485491-33 | 5 – 15  | Not classified                                                                      |
| AMYLASE, ALPHA-        | CAS-No.: 9000-90-2<br>EC-No.: 232-565-6<br>EC Index-No.: 647-015-00-4 | < 1     | Resp. Sens. 1, H334                                                                 |
| BETA-GLUCANASE         | CAS-No.: 62213-14-3<br>EC-No.: 263-462-4                              | < 1     | Resp. Sens. 1, H334                                                                 |
| PROTEASE (Bacilolysin) | CAS-No.: 76774-43-1<br>EC-No.: 278-547-1                              | < 1     | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Resp. Sens. 1, H334<br>STOT SE 3, H335 |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Call a poison center or a doctor if you feel unwell.                                                                                   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. |
| First-aid measures after skin contact | : Wash skin with plenty of water. If skin irritation occurs : Get medical advice/attention.                                              |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution. If necessary seek medical advice.                                                               |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell. If necessary seek medical advice.                                                 |

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

|                                     |                                                                              |
|-------------------------------------|------------------------------------------------------------------------------|
| Symptoms/effects after inhalation   | : May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Symptoms/effects after skin contact | : None under normal conditions.                                              |
| Symptoms/effects after eye contact  | : None under normal conditions.                                              |
| Symptoms/effects after ingestion    | : None under normal conditions.                                              |

### 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   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

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

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Fire hazard                                      | : No fire hazard.              |
| Explosion hazard                                 | : No direct explosion hazard.  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 5.3. Advice for firefighters

- |                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

## SECTION 6: Accidental release measures

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

- |                  |                                                                                                                                            |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.<br>Absorb spillage to prevent material damage. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.1.1. For non-emergency personnel

- |                      |                                                                              |
|----------------------|------------------------------------------------------------------------------|
| Protective equipment | : Wear recommended personal protective equipment.                            |
| Emergency procedures | : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. |

#### 6.1.2. For emergency responders

- |                      |                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate unnecessary personnel. Stop leak if safe to do so.                                                                                               |

### 6.2. Environmental precautions

Avoid release to the environment.

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

- |                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible. |
| Methods for cleaning up | : Take up liquid spill into absorbent material.                                                                                                                                       |
| Other information       | : Dispose of materials or solid residues at an authorized site.                                                                                                                       |

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                                   |                                                                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use.                                           |
| Precautions for safe handling     | : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. |
| Hygiene measures                  | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.                                  |

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

- |                            |                                                                             |
|----------------------------|-----------------------------------------------------------------------------|
| Technical measures         | : Keep in a cool, well-ventilated place away from heat.                     |
| Storage conditions         | : Keep cool. Protect from sunlight.                                         |
| Special rules on packaging | : Keep only in original container.                                          |
| Packaging materials        | : Store always product in container of same material as original container. |

### 7.3. Specific end use(s)

No additional information available

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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

###### GLYCERIN (56-81-5)

###### United Kingdom - Occupational Exposure Limits

|                      |                                       |
|----------------------|---------------------------------------|
| Local name           | Glycerol                              |
| WEL TWA (OEL TWA)    | 10 mg/m <sup>3</sup> mist             |
| 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

##### 8.1.4. DNEL and PNEC

No additional information available

##### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

###### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### 8.2.2. Personal protection equipment

###### Personal protective equipment:

Wear recommended personal protective equipment.

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



##### 8.2.2.1. Eye and face protection

###### Eye protection:

Safety glasses

###### Eye protection

| Type                           | Field of application | Characteristics | Standard |
|--------------------------------|----------------------|-----------------|----------|
| Safety goggles, Safety glasses | Droplet              | Plastic         | EN 166   |

##### 8.2.2.2. Skin protection

###### Skin and body protection:

Wear suitable protective clothing

###### Skin and body protection

| Type                    | Standard |
|-------------------------|----------|
| Use protective clothing |          |

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### Hand protection:

Protective gloves

| Hand protection   |                                                                             |                   |                |             |            |
|-------------------|-----------------------------------------------------------------------------|-------------------|----------------|-------------|------------|
| Type              | Material                                                                    | Permeation        | Thickness (mm) | Penetration | Standard   |
| Protective gloves | Nitrile rubber (NBR),<br>Neoprene rubber (HNBR),<br>Polyvinylchloride (PVC) | 6 (> 480 minutes) |                |             | EN ISO 374 |

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

| Respiratory protection |             |                                 |                |
|------------------------|-------------|---------------------------------|----------------|
| Device                 | Filter type | Condition                       | Standard       |
| Gas mask               | ABEK-P3     | Protection for Liquid particles | EN 136, EN 143 |

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                                                 |                                            |
|-------------------------------------------------|--------------------------------------------|
| Physical state                                  | : Liquid                                   |
| Colour                                          | : brown.                                   |
| Appearance                                      | : Pale yellow or light brown oily liquid.  |
| Odour                                           | : Characteristic odour.                    |
| Odour threshold                                 | : Not available                            |
| Melting point                                   | : No data available.                       |
| Freezing point                                  | : Not available                            |
| Boiling point                                   | : Not available                            |
| Flammability                                    | : Not applicable                           |
| Lower explosion limit                           | : Not available                            |
| Upper explosion limit                           | : Not available                            |
| Flash point                                     | : Not available                            |
| Auto-ignition temperature                       | : No data available.                       |
| Decomposition temperature                       | : Not available                            |
| pH                                              | : $\geq 5.7 - \leq 6.2$ No data 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                                         | : $\geq 1.14 - \leq 1.2$                   |
| Relative density                                | : No data available.                       |
| Relative vapour density at 20°C                 | : No data available.                       |
| Particle characteristics                        | : Not applicable                           |

### 9.2. Other information

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

No additional information available

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 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

| AMYLASE, ALPHA- (9000-90-2) |                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------|
| LD50 oral rat               | > 2000 mg/kg                                                                           |
| LC50 Inhalation - Rat       | > 4.96 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |

| SODIUM CHLORIDE (7647-14-5) |                                         |
|-----------------------------|-----------------------------------------|
| LD50 oral rat               | 3000 mg/kg                              |
| LD50 dermal rabbit          | > 10000 mg/kg bodyweight Animal: rabbit |

Skin corrosion/irritation : Not classified  
pH:  $\geq 5.7 - \leq 6.2$  No data available.

| AMYLASE, ALPHA- (9000-90-2) |         |
|-----------------------------|---------|
| pH                          | 5.8-6.5 |

| SODIUM CHLORIDE (7647-14-5) |               |
|-----------------------------|---------------|
| pH                          | 10 (10% sol.) |

Serious eye damage/irritation : Not classified  
pH:  $\geq 5.7 - \leq 6.2$  No data available.

| AMYLASE, ALPHA- (9000-90-2) |         |
|-----------------------------|---------|
| pH                          | 5.8-6.5 |

| SODIUM CHLORIDE (7647-14-5) |               |
|-----------------------------|---------------|
| pH                          | 10 (10% sol.) |

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|                                   |                  |
|-----------------------------------|------------------|
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity            | : Not classified |
| Carcinogenicity                   | : Not classified |
| Reproductive toxicity             | : Not classified |
| STOT-single exposure              | : Not classified |

### PROTEASE (Bacilolysin) (76774-43-1)

|                        |                                   |
|------------------------|-----------------------------------|
| STOT-single exposure   | May cause respiratory irritation. |
| STOT-repeated exposure | : Not classified                  |
| Aspiration hazard      | : Not classified                  |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                                                                                         |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Ecology - general                                         | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                                                                                        |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified                                                                                                        |

### AMYLASE, ALPHA- (9000-90-2)

|                      |                                                   |
|----------------------|---------------------------------------------------|
| EC50 - Crustacea [1] | 2000 mg/l Test organisms (species): Daphnia magna |
| EC50 - Crustacea [2] | 212 mg/l Test organisms (species): Daphnia magna  |

### SODIUM CHLORIDE (7647-14-5)

|                                    |                                                                   |
|------------------------------------|-------------------------------------------------------------------|
| LC50 - Fish [1]                    | 5840 mg/l Test organisms (species): Lepomis macrochirus           |
| EC50 - Other aquatic organisms [1] | 2024 mg/l                                                         |
| LOEC (chronic)                     | 441 mg/l Test organisms (species): Daphnia pulex Duration: '21 d' |
| NOEC (chronic)                     | 314 mg/l Test organisms (species): Daphnia pulex Duration: '21 d' |

### 12.2. Persistence and degradability

#### TRIZYME

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### AMYLASE, ALPHA- (9000-90-2)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### PROTEASE (Bacilolysin) (76774-43-1)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### GLYCERIN (56-81-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### SODIUM CHLORIDE (7647-14-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### BETA-GLUCANASE (62213-14-3)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

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### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 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

|                                            |                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                    |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                    |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                    |
| Additional information                     | : Do not re-use empty containers.                                                             |

## 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>     |               |               |               |               |
| Not regulated for transport             |               |               |               |               |
| <b>14.2. UN proper shipping name</b>    |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |               |

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated



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### Inland waterway transport

Not regulated

### Rail transport

Not regulated

### 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

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Indication of changes |                       |          |          |
|-----------------------|-----------------------|----------|----------|
| Section               | Changed item          | Change   | Comments |
|                       | Supersedes version of | Modified |          |
|                       | Revision date         | Modified |          |
|                       | Type of product       | Added    |          |
| 1.1                   | Trade name            | Added    |          |

| Indication of changes |                                                                 |          |          |
|-----------------------|-----------------------------------------------------------------|----------|----------|
| Section               | Changed item                                                    | Change   | Comments |
| 1.1                   | Product group                                                   | Added    |          |
| 2.1                   | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Removed  |          |
| 2.2                   | Signal word (CLP)                                               | Removed  |          |
| 2.2                   | EUH-statements                                                  | Modified |          |
| 2.2                   | Hazard pictograms (CLP)                                         | Removed  |          |
| 2.2                   | Precautionary statements (CLP)                                  | Removed  |          |
| 2.2                   | Hazard statements (CLP)                                         | Removed  |          |
| 3                     | Composition/information on ingredients                          | Modified |          |
| 4.1                   | First-aid measures after skin contact                           | Modified |          |
| 4.1                   | First-aid measures after ingestion                              | Modified |          |
| 4.1                   | First-aid measures after eye contact                            | Modified |          |
| 7.2                   | Special rules on packaging                                      | Added    |          |
| 9.1                   | Density                                                         | Modified |          |
| 9.1                   | pH                                                              | Modified |          |

| 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             |
| ATE                         | Acute Toxicity Estimate                                                                         |
| BCF                         | Bioconcentration factor                                                                         |
| BLV                         | Biological limit value                                                                          |
| BOD                         | Biochemical oxygen demand (BOD)                                                                 |
| COD                         | Chemical oxygen demand (COD)                                                                    |
| DMEL                        | Derived Minimal Effect level                                                                    |
| DNEL                        | Derived-No Effect Level                                                                         |
| EC-No.                      | European Community number                                                                       |
| EC50                        | Median effective concentration                                                                  |
| EN                          | European Standard                                                                               |
| IARC                        | International Agency for Research on Cancer                                                     |
| IATA                        | International Air Transport Association                                                         |
| IMDG                        | International Maritime Dangerous Goods                                                          |
| LC50                        | Median lethal concentration                                                                     |
| LD50                        | Median lethal dose                                                                              |
| LOAEL                       | Lowest Observed Adverse Effect Level                                                            |
| NOAEC                       | No-Observed Adverse Effect Concentration                                                        |
| NOAEL                       | No-Observed Adverse Effect Level                                                                |
| NOEC                        | No-Observed Effect Concentration                                                                |

# TRIZYME

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Abbreviations and acronyms:

|         |                                                                              |
|---------|------------------------------------------------------------------------------|
| OECD    | Organisation for Economic Co-operation and Development                       |
| OEL     | Occupational Exposure Limit                                                  |
| PBT     | Persistent Bioaccumulative Toxic                                             |
| PNEC    | Predicted No-Effect Concentration                                            |
| RID     | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS     | Safety Data Sheet                                                            |
| STP     | Sewage treatment plant                                                       |
| ThOD    | Theoretical oxygen demand (ThOD)                                             |
| TLM     | Median Tolerance Limit                                                       |
| VOC     | Volatile Organic Compounds                                                   |
| CAS-No. | Chemical Abstract Service number                                             |
| N.O.S.  | Not Otherwise Specified                                                      |
| vPvB    | Very Persistent and Very Bioaccumulative                                     |
| ED      | Endocrine disrupting properties                                              |

### Full text of H- and EUH-statements:

|               |                                                                                                                                        |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------|
| EUH208        | Contains AMYLASE, ALPHA-(9000-90-2), PROTEASE (Bacilolysin)(76774-43-1), BETA-GLUCANASE(62213-14-3). May produce an allergic reaction. |
| EUH210        | Safety data sheet available on request.                                                                                                |
| Eye Irrit. 2  | Serious eye damage/eye irritation, Category 2                                                                                          |
| H315          | Causes skin irritation.                                                                                                                |
| H319          | Causes serious eye irritation.                                                                                                         |
| H334          | May cause allergy or asthma symptoms or breathing difficulties if inhaled.                                                             |
| H335          | May cause respiratory irritation.                                                                                                      |
| Resp. Sens. 1 | Respiratory sensitisation, Category 1                                                                                                  |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2                                                                                                  |
| STOT SE 3     | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation                                             |

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.