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**Product name: Lyo NZY Ribonuclease Inhibitor (no DTT)**

**Catalogue reference(s):** MB41204, For 105 µL

MB41205, For 5 x 105 µL

Dear NZYtech customer,

The components not mentioned below are classified as not hazardous according to the CLP Regulation (EC) No 1272/2008. Consequently, do not require a Safety Data Sheet (SDS) in accordance with Regulation (EC) No 1907/2006, as amended by Regulation (EU) 2020/878.

**Hazardous components:**

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Lyo NZY Ribonuclease Inhibitor (no DTT)

For the hazardous components of this kit, please consult the individual safety data sheet.

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**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** MB412 - Lyo NZY RI (no DTT)  
**Other means of identification:**  
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses (Professional users): Laboratory  
For Professional users only.  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
NZYtech, Lda  
Estrada do Paco do Lumiar Campus do Lumiar - Edif. E, r/c  
1649-038 Lisboa - Lisboa - Portugal  
Phone: +351 213643514  
info@nzytech.com  
www.nzytech.com
- 1.4 Emergency telephone number:** National Poison Center (Portugal) CIAV: +351 800 250 250; Outside Portugal: Call your regional Poisons Information Service or call local Life Saving Service.

**SECTION 2: HAZARDS IDENTIFICATION**

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
Repr. 1B: Reproductive toxicity, Category 1B, H360D
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
Labelling of packages where the contents do not exceed 125 ml:  
**Danger**  
  
**Hazard statements:**  
Repr. 1B: H360D - May damage the unborn child.  
**Precautionary statements:**  
P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.  
P308+P313: IF exposed or concerned: Get medical advice/attention.  
P405: Store locked up.  
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.  
**Substances that contribute to the classification**  
Imidazole  
**Additional Labelling:**  
Restricted to professional users  
**UFI:** 5H61-H0E8-1005-W9YX
- 2.3 Other hazards:**  
Product does not meet PBT/vPvB criteria  
Endocrine-disrupting properties: The product does not meet the criteria.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

- 3.1 Substance:**

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Not relevant

#### 3.2 Mixture:

**Chemical description:** Mixture of substances

#### Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification   | Chemical name/Classification   | Concentration   |                 |  |                      |   |  |     |
|--|--|---|-----------------|--|----------------------|---|--|-----|
| CAS: 288-32-4<br>EC: 206-019-2<br>Index: Not relevant<br>REACH: 01-2119485825-24-XXXX  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><b>Imidazole</b><sup>(1)</sup></td> <td style="text-align: right;">Self-classified</td> </tr> <tr> <td style="vertical-align: top;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Regulation 1272/2008</td> <td style="width: 40%;">Acute Tox. 4: H302; Eye Dam. 1: H318; Repr. 1B: H360D; Skin Corr. 1C: H314 - Danger</td> <td style="width: 30%; text-align: center;"> </td> </tr> </table> </td> <td style="text-align: center; vertical-align: middle;">&lt;1%</td> </tr> </table> | <b>Imidazole</b> <sup>(1)</sup>   | Self-classified | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Regulation 1272/2008</td> <td style="width: 40%;">Acute Tox. 4: H302; Eye Dam. 1: H318; Repr. 1B: H360D; Skin Corr. 1C: H314 - Danger</td> <td style="width: 30%; text-align: center;"> </td> </tr> </table> | Regulation 1272/2008 | Acute Tox. 4: H302; Eye Dam. 1: H318; Repr. 1B: H360D; Skin Corr. 1C: H314 - Danger |  | <1% |
| <b>Imidazole</b> <sup>(1)</sup>  | Self-classified  |   |                 |  |                      |   |  |     |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Regulation 1272/2008</td> <td style="width: 40%;">Acute Tox. 4: H302; Eye Dam. 1: H318; Repr. 1B: H360D; Skin Corr. 1C: H314 - Danger</td> <td style="width: 30%; text-align: center;"> </td> </tr> </table> | Regulation 1272/2008   | Acute Tox. 4: H302; Eye Dam. 1: H318; Repr. 1B: H360D; Skin Corr. 1C: H314 - Danger |                 | <1%  |                      |   |  |     |
| Regulation 1272/2008   | Acute Tox. 4: H302; Eye Dam. 1: H318; Repr. 1B: H360D; Skin Corr. 1C: H314 - Danger  |   |                 |  |                      |   |  |     |

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

##### By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

##### By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

##### By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

##### By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Not relevant

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media:

##### Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

##### Unsuitable extinguishing media:

Non-applicable

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

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

#### 5.3 Advice for firefighters:

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**SECTION 5: FIREFIGHTING MEASURES (continued)**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

**For emergency responders:**

Wear protective equipment. Keep unprotected persons away. See section 8.

**6.2 Environmental precautions:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

**6.3 Methods and material for containment and cleaning up:**

It is recommended:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

C.- Technical recommendations on general occupational hygiene

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

**7.2 Conditions for safe storage, including any incompatibilities:**

A.- Specific storage requirements

Store in a cool, dry, well-ventilated location

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters:**

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

**DNEL (Workers):**

| Identification                              |            | Short exposure |              | Long exposure          |              |
|---|------------|----------------|--------------|------------------------|--------------|
|   |            | Systemic       | Local        | Systemic               | Local        |
| Imidazole<br>CAS: 288-32-4<br>EC: 206-019-2 | Oral       | Not relevant   | Not relevant | Not relevant           | Not relevant |
|   | Dermal     | Not relevant   | Not relevant | 1,5 mg/kg              | Not relevant |
|   | Inhalation | Not relevant   | Not relevant | 10,6 mg/m <sup>3</sup> | Not relevant |

**DNEL (General population):**

Not relevant

**PNEC:**



| Identification                              |              |              |                         |             |  |
|---|--------------|--------------|-------------------------|-------------|--|
| Imidazole<br>CAS: 288-32-4<br>EC: 206-019-2 | STP          | 10 mg/L      | Fresh water             | 0,13 mg/L   |  |
|   | Soil         | 0,043 mg/kg  | Marine water            | 0,013 mg/L  |  |
|   | Intermittent | 1,3 mg/L     | Sediment (Fresh water)  | 0,336 mg/kg |  |
|   | Oral         | Not relevant | Sediment (Marine water) | 0,034 mg/kg |  |

**8.2 Exposure controls:**



**A.- Individual protection measures, such as personal protective equipment**

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

**B.- Respiratory protection**



| Pictogram   | PPE  | Labelling   | CEN Standard        | Remarks  |
|---|--|---|---------------------|--|
| <br>Mandatory respiratory tract protection | Filter mask for gases and vapours (Filter type: P3/FFP3) |  | EN 405:2002+A1:2010 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

**C.- Specific protection for the hands**

| Pictogram  | PPE   | Labelling   | CEN Standard      | Remarks  |
|--|---|---|-------------------|--|
| <br>Mandatory hand protection | Chemical protective gloves (Material: PVC, Breakthrough time: > 480 min, Thickness: 0.7 mm) |  | EN ISO 21420:2020 | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

**D.- Eye and face protection**

| Pictogram  | PPE         | Labelling   | CEN Standard  | Remarks   |
|--|-------------|---|---|---|
| <br>Mandatory face protection | Face shield |  | EN 166:2002<br>UNE-EN ISO 18526-1 al 4:2020<br>UNE-EN ISO 18526-1 al 4:2020<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

**E.- Body protection**





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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Pictogram   | PPE   | Labelling   | CEN Standard  | Remarks   |
|---|---|---|---|---|
| <br>Mandatory complete body protection | Disposable clothing for protection against chemical risks |  | EN 13034:2005+A1:2009<br>UNE-EN ISO 18526-1 al 4:2020<br>EN ISO 13982-1:2005/A1:2011<br>EN ISO 6529:2013<br>EN ISO 6530:2005<br>EN 464:1995 | For professional use only. Clean periodically according to the manufacturer's instructions. |
| <br>Mandatory foot protection          | Safety footwear for protection against chemical risk      |  | EN ISO 20345:2022<br>EN 13832-1:2019  | Replace boots at any sign of deterioration.   |

**F.- Additional emergency measures**

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

| Emergency measure   | Standards                                       | Emergency measure  | Standards                                      |
|---|---|--|--|
| <br>Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | <br>Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

**Environmental exposure controls:**

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

|                           |                             |
|---------------------------|-----------------------------|
| V.O.C. (Supply):          | 0 % weight                  |
| V.O.C. density at 20 °C:  | 0 kg/m <sup>3</sup> (0 g/L) |
| Average carbon number:    | Not relevant                |
| Average molecular weight: | Not relevant                |

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

|                          |                |
|--------------------------|----------------|
| Physical state at 20 °C: | Solid          |
| Appearance:              | Not relevant * |
| Colour:                  | White          |
| Odour:                   | Not relevant * |
| Odour threshold:         | Not relevant * |

**Volatility:**

|  |                |
|--|----------------|
| Boiling point at atmospheric pressure: | Not relevant * |
| Vapour pressure at 20 °C:              | Not relevant * |
| Vapour pressure at 50 °C:              | Not relevant * |
| Evaporation rate at 20 °C:             | Not relevant * |

**Product description:**

|                             |                          |
|-----------------------------|--------------------------|
| Density at 20 °C:           | 1034,4 kg/m <sup>3</sup> |
| Relative density at 20 °C:  | 1,034                    |
| Dynamic viscosity at 20 °C: | Not relevant *           |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

|  |                |
|--|----------------|
| Kinematic viscosity at 20 °C:                | Not relevant * |
| Kinematic viscosity at 40 °C:                | Not relevant * |
| Concentration:                               | Not relevant * |
| pH:  | Not relevant * |
| Vapour density at 20 °C:                     | Not relevant * |
| Partition coefficient n-octanol/water 20 °C: | Not relevant * |
| Solubility in water at 20 °C:                | Not relevant * |
| Solubility properties:                       | Not relevant * |
| Decomposition temperature:                   | Not relevant * |
| Melting point/freezing point:                | Not relevant * |

**Flammability:**

|                            |                |
|----------------------------|----------------|
| Flash Point:               | Not relevant * |
| Flammability (solid, gas): | Not relevant * |
| Autoignition temperature:  | 480 °C         |
| Lower flammability limit:  | Not relevant * |
| Upper flammability limit:  | Not relevant * |

**Explosive (Solid):**

|                        |                |
|------------------------|----------------|
| Lower explosive limit: | Not relevant * |
| Upper explosive limit: | Not relevant * |

**Particle characteristics:**

|                             |                |
|-----------------------------|----------------|
| Median equivalent diameter: | Not relevant * |
|-----------------------------|----------------|

**9.2 Other information:**

**Information with regard to physical hazard classes:**

|  |                |
|--|----------------|
| Explosive properties:  | Not relevant * |
| Oxidising properties:  | Not relevant * |
| Corrosive to metals:   | Not relevant * |
| Heat of combustion:  | Not relevant * |
| Aerosols-total percentage (by mass) of flammable components: | Not relevant * |

**Other safety characteristics:**

|                           |                |
|---------------------------|----------------|
| Surface tension at 20 °C: | Not relevant * |
| Refraction index:         | Not relevant * |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

### SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight       | Humidity       |
|--------------------|------------------|-------------------------|----------------|----------------|
| Not applicable     | Not applicable   | Not applicable          | Not applicable | Not applicable |

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### SECTION 10: STABILITY AND REACTIVITY (continued)

#### 10.5 Incompatible materials:

| Acids              | Water          | Oxidising materials | Combustible materials | Others                        |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Precaution          | Not applicable        | Avoid alkalis or strong bases |

#### 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

### SECTION 11: TOXICOLOGICAL INFORMATION

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

The experimental information related to the toxicological properties of the product itself is not available

##### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

##### A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

##### B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

##### C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

##### D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.  
IARC: Not relevant
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: May damage the unborn child.

##### E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

##### F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

##### G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

##### H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

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### SECTION 11: TOXICOLOGICAL INFORMATION (continued)

**Other information:**

Not relevant

**Specific toxicology information on the substances:**

| Identification                              | Acute toxicity       |             | Genus |
|---|----------------------|-------------|-------|
| Imidazole<br>CAS: 288-32-4<br>EC: 206-019-2 | LD50 oral            | >2000 mg/kg |       |
|   | LD50 dermal          | >2000 mg/kg |       |
|   | LC50 inhalation dust | >5 mg/L     |       |

**Acute Toxicity Estimate (ATE mix):**

| ATE mix              |                                    | Ingredient(s) of unknown toxicity |
|----------------------|------------------------------------|-----------------------------------|
| Oral                 | >2000 mg/kg (Calculation method)   | 0 %                               |
| Dermal               | >2000 mg/kg (Calculation method)   | 0 %                               |
| LC50 inhalation dust | >5 mg/L (4 h) (Calculation method) | 0 %                               |

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

**Other information**

Not relevant

### SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**12.1 Toxicity:**

Not relevant

**12.2 Persistence and degradability:**

Not relevant

**12.3 Bioaccumulative potential:**

Not relevant

**12.4 Mobility in soil:**

Not relevant

**12.5 Results of PBT and vPvB assessment:**

Product does not meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

Endocrine-disrupting properties: The product does not meet the criteria.

**12.7 Other adverse effects:**

Not described

### SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:**

| Code | Description   | Waste class (Regulation (EU) No 1357/2014) |
|------|---|--|
|      | It is not possible to assign a specific code, as it depends on the intended use by the user | Hazardous                                  |

**Type of waste (Regulation (EU) No 1357/2014):**

HP10 Toxic for reproduction

**Waste management (disposal and evaluation):**

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### SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

### SECTION 14: TRANSPORT INFORMATION

**Transport of dangerous goods by land:**

With regard to ADR 2025 and RID 2025:

- 14.1 UN number or ID number:** Not relevant
- 14.2 UN proper shipping name:** Not relevant
- 14.3 Transport hazard class(es):** Not relevant  
Labels: Not relevant
- 14.4 Packing group:** Not relevant
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**  
Special regulations: Not relevant  
Tunnel restriction code: Not relevant  
Physico-Chemical properties: see section 9  
Limited quantities: Not relevant
- 14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

**Transport of dangerous goods by sea:**

With regard to IMDG 42-24:

- 14.1 UN number or ID number:** Not relevant
- 14.2 UN proper shipping name:** Not relevant
- 14.3 Transport hazard class(es):** Not relevant  
Labels: Not relevant
- 14.4 Packing group:** Not relevant
- 14.5 Marine pollutant:** No
- 14.6 Special precautions for user**  
Special regulations: Not relevant  
EmS Codes:  
Physico-Chemical properties: see section 9  
Limited quantities: Not relevant  
Segregation group: Not relevant
- 14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2025:

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**SECTION 14: TRANSPORT INFORMATION (continued)**

|  |               |
|--|---------------|
| <b>14.1 UN number or ID number:</b>                                  | Not relevant  |
| <b>14.2 UN proper shipping name:</b>                                 | Not relevant  |
| <b>14.3 Transport hazard class(es):</b>                              | Not relevant  |
| Labels:  | Not relevant  |
| <b>14.4 Packing group:</b>   | Not relevant  |
| <b>14.5 Environmental hazards:</b>                                   | No            |
| <b>14.6 Special precautions for user</b>                             |               |
| Physico-Chemical properties:   | see section 9 |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Not relevant  |

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

**Seveso III:**

Not relevant

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

Product classified hazardous under the CMR. Sale and distribution to the general public is prohibited. Due to its CMR category, it is essential to apply the specific measures for workplace hazard prevention covered in articles 4 and 5 of the 2004/37/EC Directive and later modifications.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION****Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

Not relevant

**Texts of the legislative phrases mentioned in section 2:**

H360D: May damage the unborn child.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 4: H302 - Harmful if swallowed.

Eye Dam. 1: H318 - Causes serious eye damage.

Repr. 1B: H360D - May damage the unborn child.

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.

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## MB412 - Lyo NYZ RI (no DTT)

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### SECTION 16: OTHER INFORMATION (continued)

**Classification procedure:**

Repr. 1B: Calculation method

**Advice related to training:**

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

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**Product name: Lyo NZY Ribonuclease Inhibitor (no DTT)**

**Catalogue reference(s):** MB41204, For 105 µL

MB41205, For 5 x 105 µL

Dear NZYtech customer,

The components not mentioned below are classified as not hazardous according to the CLP Regulation (EC) No 1272/2008. Consequently, do not require a Safety Data Sheet (SDS) in accordance with Regulation (EC) No 1907/2006, as amended by Regulation (EU) 2020/878.

**Hazardous components:**

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Lyo NZY Ribonuclease Inhibitor (no DTT)

For the hazardous components of this kit, please consult the individual safety data sheet.

## MB412 - Lyo NZY RI (no DTT)


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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** MB412 - Lyo NZY RI (no DTT)  
**Other means of identification:**  
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses (Professional users): Laboratory  
For Professional users only.  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
NZYtech, Lda  
Estrada do Paco do Lumiar Campus do Lumiar - Edif. E, r/c  
1649-038 Lisboa - Lisboa - Portugal  
Phone: +351 213643514  
info@nzytech.com  
www.nzytech.com
- 1.4 Emergency telephone number:** National Poison Center (Portugal) CIAV: +351 800 250 250; Outside Portugal: Call your regional Poisons Information Service or call local Life Saving Service.

### SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
Repr. 1B: Reproductive toxicity, Category 1B, H360D
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
Labelling of packages where the contents do not exceed 125 ml:  
**Danger**  
  
**Hazard statements:**  
Repr. 1B: H360D - May damage the unborn child.  
**Precautionary statements:**  
P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.  
P308+P313: IF exposed or concerned: Get medical advice/attention.  
P405: Store locked up.  
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.  
**Substances that contribute to the classification**  
Imidazole  
**Additional Labelling:**  
Restricted to professional users  
**UFI:** 5H61-H0E8-1005-W9YX
- 2.3 Other hazards:**  
Product does not meet PBT/vPvB criteria  
Endocrine-disrupting properties: The product does not meet the criteria.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Not relevant

#### 3.2 Mixture:

**Chemical description:** Mixture of substances

#### Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification  | Chemical name/Classification   | Concentration                   |                 |                      |  |               |
|---|--|---------------------------------|-----------------|----------------------|--|---------------|
| CAS: 288-32-4<br>EC: 206-019-2<br>Index: Not relevant<br>REACH: 01-2119485825-24-XXXX | <table border="1" style="width: 100%;"> <tr> <td style="width: 30%;"><b>Imidazole</b><sup>(1)</sup></td> <td style="text-align: right;">Self-classified</td> </tr> <tr> <td>Regulation 1272/2008</td> <td>Acute Tox. 4: H302; Eye Dam. 1: H318; Repr. 1B: H360D; Skin Corr. 1C: H314 -  Danger</td> </tr> </table> | <b>Imidazole</b> <sup>(1)</sup> | Self-classified | Regulation 1272/2008 | Acute Tox. 4: H302; Eye Dam. 1: H318; Repr. 1B: H360D; Skin Corr. 1C: H314 -  Danger | <b>&lt;1%</b> |
| <b>Imidazole</b> <sup>(1)</sup>   | Self-classified  |                                 |                 |                      |  |               |
| Regulation 1272/2008  | Acute Tox. 4: H302; Eye Dam. 1: H318; Repr. 1B: H360D; Skin Corr. 1C: H314 -  Danger   |                                 |                 |                      |  |               |

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

##### By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

##### By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

##### By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

##### By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Not relevant

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media:

##### Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

##### Unsuitable extinguishing media:

Non-applicable

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

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

#### 5.3 Advice for firefighters:

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### SECTION 5: FIREFIGHTING MEASURES (continued)

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

#### **Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### **6.1 Personal precautions, protective equipment and emergency procedures:**

##### **For non-emergency personnel:**

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

##### **For emergency responders:**

Wear protective equipment. Keep unprotected persons away. See section 8.

#### **6.2 Environmental precautions:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

#### **6.3 Methods and material for containment and cleaning up:**

It is recommended:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

#### **6.4 Reference to other sections:**

See sections 8 and 13.

### SECTION 7: HANDLING AND STORAGE

#### **7.1 Precautions for safe handling:**

##### A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

##### B.- Technical recommendations for the prevention of fires and explosions

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

##### C.- Technical recommendations on general occupational hygiene

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

##### D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

#### **7.2 Conditions for safe storage, including any incompatibilities:**

##### A.- Specific storage requirements

Store in a cool, dry, well-ventilated location

##### B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

#### **7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **8.1 Control parameters:**

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

**DNEL (Workers):**

| Identification                              |            | Short exposure |              | Long exposure          |              |
|---|------------|----------------|--------------|------------------------|--------------|
|   |            | Systemic       | Local        | Systemic               | Local        |
| Imidazole<br>CAS: 288-32-4<br>EC: 206-019-2 | Oral       | Not relevant   | Not relevant | Not relevant           | Not relevant |
|   | Dermal     | Not relevant   | Not relevant | 1,5 mg/kg              | Not relevant |
|   | Inhalation | Not relevant   | Not relevant | 10,6 mg/m <sup>3</sup> | Not relevant |

**DNEL (General population):**

Not relevant

**PNEC:**

| Identification                              |              |              |                         |             |
|---|--------------|--------------|-------------------------|-------------|
|   | STP          | 10 mg/L      | Fresh water             | 0,13 mg/L   |
| Imidazole<br>CAS: 288-32-4<br>EC: 206-019-2 | Soil         | 0,043 mg/kg  | Marine water            | 0,013 mg/L  |
|   | Intermittent | 1,3 mg/L     | Sediment (Fresh water)  | 0,336 mg/kg |
|   | Oral         | Not relevant | Sediment (Marine water) | 0,034 mg/kg |
|   |              |              |                         |             |

**8.2 Exposure controls:**

**A.- Individual protection measures, such as personal protective equipment**

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

**B.- Respiratory protection**

| Pictogram                                  | PPE  | Labelling | CEN Standard        | Remarks  |
|--|--|-----------|---------------------|--|
| <br>Mandatory respiratory tract protection | Filter mask for gases and vapours (Filter type: P3/FFP3) |           | EN 405:2002+A1:2010 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

**C.- Specific protection for the hands**

| Pictogram                     | PPE   | Labelling | CEN Standard      | Remarks  |
|-------------------------------|---|-----------|-------------------|--|
| <br>Mandatory hand protection | Chemical protective gloves (Material: PVC, Breakthrough time: > 480 min, Thickness: 0.7 mm) |           | EN ISO 21420:2020 | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

**D.- Eye and face protection**

| Pictogram                     | PPE         | Labelling | CEN Standard  | Remarks   |
|-------------------------------|-------------|-----------|---|---|
| <br>Mandatory face protection | Face shield |           | EN 166:2002<br>UNE-EN ISO 18526-1 al 4:2020<br>UNE-EN ISO 18526-1 al 4:2020<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

**E.- Body protection**

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Pictogram                              | PPE   | Labelling | CEN Standard  | Remarks   |
|--|---|-----------|---|---|
| <br>Mandatory complete body protection | Disposable clothing for protection against chemical risks |           | EN 13034:2005+A1:2009<br>UNE-EN ISO 18526-1 al 4:2020<br>EN ISO 13982-1:2005/A1:2011<br>EN ISO 6529:2013<br>EN ISO 6530:2005<br>EN 464:1995 | For professional use only. Clean periodically according to the manufacturer's instructions. |
| <br>Mandatory foot protection          | Safety footwear for protection against chemical risk      |           | EN ISO 20345:2022<br>EN 13832-1:2019  | Replace boots at any sign of deterioration.   |

**F.- Additional emergency measures**

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

| Emergency measure    | Standards                                       | Emergency measure    | Standards                                      |
|----------------------|---|----------------------|--|
| <br>Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | <br>Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

**Environmental exposure controls:**

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

|                           |                             |
|---------------------------|-----------------------------|
| V.O.C. (Supply):          | 0 % weight                  |
| V.O.C. density at 20 °C:  | 0 kg/m <sup>3</sup> (0 g/L) |
| Average carbon number:    | Not relevant                |
| Average molecular weight: | Not relevant                |

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

|                          |                |
|--------------------------|----------------|
| Physical state at 20 °C: | Solid          |
| Appearance:              | Not relevant * |
| Colour:                  | White          |
| Odour:                   | Not relevant * |
| Odour threshold:         | Not relevant * |

**Volatility:**

|  |                |
|--|----------------|
| Boiling point at atmospheric pressure: | Not relevant * |
| Vapour pressure at 20 °C:              | Not relevant * |
| Vapour pressure at 50 °C:              | Not relevant * |
| Evaporation rate at 20 °C:             | Not relevant * |

**Product description:**

|                             |                          |
|-----------------------------|--------------------------|
| Density at 20 °C:           | 1034,4 kg/m <sup>3</sup> |
| Relative density at 20 °C:  | 1,034                    |
| Dynamic viscosity at 20 °C: | Not relevant *           |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

|  |                |
|--|----------------|
| Kinematic viscosity at 20 °C:                | Not relevant * |
| Kinematic viscosity at 40 °C:                | Not relevant * |
| Concentration:                               | Not relevant * |
| pH:  | Not relevant * |
| Vapour density at 20 °C:                     | Not relevant * |
| Partition coefficient n-octanol/water 20 °C: | Not relevant * |
| Solubility in water at 20 °C:                | Not relevant * |
| Solubility properties:                       | Not relevant * |
| Decomposition temperature:                   | Not relevant * |
| Melting point/freezing point:                | Not relevant * |

**Flammability:**

|                            |                |
|----------------------------|----------------|
| Flash Point:               | Not relevant * |
| Flammability (solid, gas): | Not relevant * |
| Autoignition temperature:  | 480 °C         |
| Lower flammability limit:  | Not relevant * |
| Upper flammability limit:  | Not relevant * |

**Explosive (Solid):**

|                        |                |
|------------------------|----------------|
| Lower explosive limit: | Not relevant * |
| Upper explosive limit: | Not relevant * |

**Particle characteristics:**

|                             |                |
|-----------------------------|----------------|
| Median equivalent diameter: | Not relevant * |
|-----------------------------|----------------|

**9.2 Other information:**

**Information with regard to physical hazard classes:**

|  |                |
|--|----------------|
| Explosive properties:  | Not relevant * |
| Oxidising properties:  | Not relevant * |
| Corrosive to metals:   | Not relevant * |
| Heat of combustion:  | Not relevant * |
| Aerosols-total percentage (by mass) of flammable components: | Not relevant * |

**Other safety characteristics:**

|                           |                |
|---------------------------|----------------|
| Surface tension at 20 °C: | Not relevant * |
| Refraction index:         | Not relevant * |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

### SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight       | Humidity       |
|--------------------|------------------|-------------------------|----------------|----------------|
| Not applicable     | Not applicable   | Not applicable          | Not applicable | Not applicable |

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### SECTION 10: STABILITY AND REACTIVITY (continued)

#### 10.5 Incompatible materials:

| Acids              | Water          | Oxidising materials | Combustible materials | Others                        |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Precaution          | Not applicable        | Avoid alkalis or strong bases |

#### 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

### SECTION 11: TOXICOLOGICAL INFORMATION

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

The experimental information related to the toxicological properties of the product itself is not available

##### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

##### A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

##### B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

##### C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

##### D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.  
IARC: Not relevant
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: May damage the unborn child.

##### E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

##### F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

##### G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

##### H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

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### SECTION 11: TOXICOLOGICAL INFORMATION (continued)

**Other information:**

Not relevant

**Specific toxicology information on the substances:**

| Identification                              | Acute toxicity       |             | Genus |
|---|----------------------|-------------|-------|
| Imidazole<br>CAS: 288-32-4<br>EC: 206-019-2 | LD50 oral            | >2000 mg/kg |       |
|   | LD50 dermal          | >2000 mg/kg |       |
|   | LC50 inhalation dust | >5 mg/L     |       |

**Acute Toxicity Estimate (ATE mix):**

| ATE mix              |                                    | Ingredient(s) of unknown toxicity |
|----------------------|------------------------------------|-----------------------------------|
| Oral                 | >2000 mg/kg (Calculation method)   | 0 %                               |
| Dermal               | >2000 mg/kg (Calculation method)   | 0 %                               |
| LC50 inhalation dust | >5 mg/L (4 h) (Calculation method) | 0 %                               |

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

**Other information**

Not relevant

### SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**12.1 Toxicity:**

Not relevant

**12.2 Persistence and degradability:**

Not relevant

**12.3 Bioaccumulative potential:**

Not relevant

**12.4 Mobility in soil:**

Not relevant

**12.5 Results of PBT and vPvB assessment:**

Product does not meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

Endocrine-disrupting properties: The product does not meet the criteria.

**12.7 Other adverse effects:**

Not described

### SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:**

| Code | Description   | Waste class (Regulation (EU) No 1357/2014) |
|------|---|--|
|      | It is not possible to assign a specific code, as it depends on the intended use by the user | Hazardous                                  |

**Type of waste (Regulation (EU) No 1357/2014):**

HP10 Toxic for reproduction

**Waste management (disposal and evaluation):**

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### SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

### SECTION 14: TRANSPORT INFORMATION

**Transport of dangerous goods by land:**

With regard to ADR 2025 and RID 2025:

- 14.1 UN number or ID number:** Not relevant
- 14.2 UN proper shipping name:** Not relevant
- 14.3 Transport hazard class(es):** Not relevant  
Labels: Not relevant
- 14.4 Packing group:** Not relevant
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**  
Special regulations: Not relevant  
Tunnel restriction code: Not relevant  
Physico-Chemical properties: see section 9  
Limited quantities: Not relevant
- 14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

**Transport of dangerous goods by sea:**

With regard to IMDG 42-24:

- 14.1 UN number or ID number:** Not relevant
- 14.2 UN proper shipping name:** Not relevant
- 14.3 Transport hazard class(es):** Not relevant  
Labels: Not relevant
- 14.4 Packing group:** Not relevant
- 14.5 Marine pollutant:** No
- 14.6 Special precautions for user**  
Special regulations: Not relevant  
EmS Codes:  
Physico-Chemical properties: see section 9  
Limited quantities: Not relevant  
Segregation group: Not relevant
- 14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2025:

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**SECTION 14: TRANSPORT INFORMATION (continued)**

|  |               |
|--|---------------|
| <b>14.1 UN number or ID number:</b>                                  | Not relevant  |
| <b>14.2 UN proper shipping name:</b>                                 | Not relevant  |
| <b>14.3 Transport hazard class(es):</b>                              | Not relevant  |
| Labels:  | Not relevant  |
| <b>14.4 Packing group:</b>   | Not relevant  |
| <b>14.5 Environmental hazards:</b>                                   | No            |
| <b>14.6 Special precautions for user</b>                             |               |
| Physico-Chemical properties:   | see section 9 |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Not relevant  |

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

**Seveso III:**

Not relevant

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

Product classified hazardous under the CMR. Sale and distribution to the general public is prohibited. Due to its CMR category, it is essential to apply the specific measures for workplace hazard prevention covered in articles 4 and 5 of the 2004/37/EC Directive and later modifications.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION****Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

Not relevant

**Texts of the legislative phrases mentioned in section 2:**

H360D: May damage the unborn child.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 4: H302 - Harmful if swallowed.

Eye Dam. 1: H318 - Causes serious eye damage.

Repr. 1B: H360D - May damage the unborn child.

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.

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### SECTION 16: OTHER INFORMATION (continued)

**Classification procedure:**

Repr. 1B: Calculation method

**Advice related to training:**

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -