

## Material Safety Data Sheet (MSDS)

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### SECTION 1: Identification of the substance/mixture

#### 1.1. Product Identifier

Product code: **MBC-CHO4TX-K1000**  
Product name: **CHO 4Tx® - CHO Transient Transfection Kit - 1000 ml**  
Type of product: **Reagent**  
Product group: **Raw material**  
Other means of identification: N/A

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

##### 1.2.1 Relevant identified uses

Main use category: Research and Development; For Further Laboratory Use.  
Not to be used in Humans or animals  
Industrial/Professional use spec: N/A

##### 1.2.2 Uses advised against

Performance characteristics have not been established.  
No additional information available

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

Magellan Biologics and Consulting Lda  
Rua da Fábrica no 37, 1º  
2350-761 Torres Novas  
Portugal

#### 1.4. Emergency phone number:

+351 914 905 002 Office hours (G) 09:00 - 12:00 & 14:00- 17:00 Mon-Fri, excl. public holidays.

#### 1.5. E-mail:

artur.rodriques@magellanbiologics.com

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### SECTION 2: Hazards Identification

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

#### 2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

#### 2.3 Other hazards

Adverse physicochemical, human health and environmental effects: not known

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## SECTION 3: Composition/Information on ingredients

### 3.1 Substance

The kit contains:

- 500 ml of transfection medium (MBC-CHO4TX-TM250)
- 500 ml of production medium (MBC-CHO4TX-PM250)
- 1000 ml of cultivation medium (MBC-CHO4TX-CM500)

### 3.2 Mixtures

The kit does not contain any hazardous ingredient

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- First-aid measures after inhalation: Remove person to fresh air and keep her comfortable for breathing
- First-aid measures after skin contact: Wash with water and soap as a precaution. If skin irritation persists, call a physician
- First-aid measures after eye contact: Immediately flush eye(s) with plenty of water/saline as a precaution. If eye irritation persists, consult a specialist
- First-aid measures after ingestion: Immediately give large quantities of water to drink. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if the subject feels unwell.

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

Symptoms/injuries: Not known

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

No information

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide. Water spray.  
Dry powder. Foam. Unsuitable extinguishing media: Not known.

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

Not expected, not known

### 5.3 Advice for fire fighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Wear self-contained breathing apparatus and complete protective clothing.

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## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures: Ventilate spillage area

#### 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".

### 6.2 Environmental precautions

Avoid release to the environment

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

Methods for cleaning up: Take up liquid spill into adsorbent 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

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the workstation. Wear personal protective equipment. Hygiene measures: Do not eat, drink or smoke when using this product. Observe good industrial hygiene measures practices.

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

Storage conditions: Store between 2°C (minimum) and 8°C (maximum)  
Incompatible products: Not known

### 7.3 Specific end use(s)

Research use, production of proteins through the Transient Gene Expression process in CHO cells.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No additional information available.

### 8.2 Exposure controls

- Appropriate engineering controls: Ensure good ventilation of the work station. Hand protection: Protective gloves
  - Eye protection: Safety glasses
  - Skin and body protection: wear suitable protective clothing
  - Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Environmental exposure controls: Avoid release to the environment.
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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Physical state: liquid
- Appearance: aqueous solution
- Color: Clear, and transparent (light yellow to light red)
- Odor: No odor
- Odor threshold: No data available
- pH: 6-8
- Relative evaporation rate (butylacetate=1): No data available
- Melting point: No data available
- Freezing point: No data available
- Flash point: No data available
- Boiling point: No data available
- Auto-ignition temperature: No data available
- Decomposition temperature: No data available
- Flammability (solid, gas): Not applicable
- Relative vapor density at 20°C: No data available
- Relative density (d): No data available
- Solubility: Not applicable
- Viscosity: No data available
- Explosive properties: No data available
- Oxidizing properties: No data available
- Explosive limits: No data available

### 9.2 Other information

No additional information available

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## 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

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

### 10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use

### 10.4 Conditions to avoid

No information available

### 10.5 Incompatible materials

No information available

### 10.6 Hazardous decomposition products

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

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## SECTION 11: Toxicological Information

### 11.1 Information on toxicological effects

Acute toxicity: No information available

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## SECTION 12: Ecological Information

### 12.1 Toxicity

Ecology - general: No information available

### 12.2 Persistence and degradability

Ecology - general: No information available

### 12.3 Bioaccumulative potential

Ecology- general: No information available

### 12.4 Mobility in soil

Ecology - general: No information available

### 12.5 Results of PBT and vPvB assessment

No information available

### 12.6 Other adverse effects

No information available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste treatment methods: solid wastes - dispose of containers/container in accordance with licensed collector's instructions, liquid wastes - dispose of any liquid according to local regulations.

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## SECTION 14: Transport information

### 14.1 UN number

No information available

### 14.2 UN proper shipping name

Propper Shipping Name (ADR): No information available  
Propper Shipping Name (IMDG): No information available  
Propper Shipping Name (IATA): No information available  
Propper Shipping Name (ADN): No information available  
Propper Shipping Name (RID): No information available

### 14.3 Transport hazard class(es)

Transport hazard class(es) (ADR): No information available  
Transport hazard class(es) (IMDG): No information available  
Transport hazard class(es) (IATA): No information available  
Transport hazard class(es) (ADN): No information available  
Transport hazard class(es) (RID): No information available

### 14.4 Packing group

Packing group (ADR): No information available  
Packing group (IMDG): No information available  
Packing group (IATA): No information available  
Packing group (ADN): No information available  
Packing group (RID): No information available

### 14.5 Environmental hazards

Dangerous for the environment: No  
information available  
Marine pollutant: No  
information available  
Other information: No supplementary information available

### 14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations

### 14.7 Transport in bulk according to MARPOL and the IBC Code

No information available

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## SECTION 15: Regulatory information

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

Not Applicable

### 15.2 Chemical safety assessment

Not Applicable

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## SECTION 16: Other information

No information available

### End of Material Safety Data Sheet

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#### **Disclaimer:**

The information provided in the present Material Safety Data Sheet is believed to be correct at the date of publication. No guarantee is given for its accuracy or completeness, but is intended as guidance only. Biological material may be hazardous and should be used with caution and according to the biosafety activity level under which the product will be used. Magellan Biologics and Consulting Lda shall not be held liable for any damage resulting from handling, misuse or from contact with the product.