

# MATERIAL SAFETY DATA SHEET

## Recombinant Human TGF-beta 3

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

#### 1.1. PRODUCT DETAILS

**Trade Name:** Recombinant Human TGF-beta 3

**Catalog Number:** CR003.

#### 1.2. COMPANY DETAILS

**Supplier:** Canvax Reagents S.L., Luis de Mercado St. 19, Boecillo Technological Park, Valladolid (Spain)

#### 1.3. EMERGENCY TELEPHONE NUMBER

**Emergency Telephone Number:** +34 931768545

### 2. HAZARDS IDENTIFICATION

#### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**Classification (67/548/CEE) or (1999/45/CE):** Not Hazardous.

**Physical Hazards:** Not Hazardous.

**Health Hazards:** Not Hazardous.

**Environmental Hazards:** Not Hazardous.

#### 2.2. LABEL ELEMENTS

**Hazard pictograms** None.

**Hazard Statements** Not Applicable.

#### 2.3. PREVENTIVE ADVICE

Not Applicable.

#### 2.4. OTHER HAZARDS

None known.

### 3. CHEMICAL CHARACTERIZATION

#### Mixtures

This product does not contain hazardous chemicals at concentrations of 1% or greater. Additionally, this product is not known to contain carcinogens at concentrations of 0.1% or greater.



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### 4. FIRST AID MEASURES

#### 4.1. DESCRIPTION OF FIRST AID MEASURES

**Inhalation:** Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

**Ingestion:** Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

**Skin contact:** Rinse skin with water. Immediate medical attention is not required.

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

Not Applicable.

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

None.

### 5. FIRE FIGHTING MEASURES

#### 5.1. EXTINGUISHING MEDIA

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

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

Not known

#### 5.3. ADVICE FOR FIRE FIGHTERS

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

### 6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See section 8 for more information.

#### 6.2. ENVIRONMENTAL PRECAUTIONS

No special environmental precautions required.

#### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Soak up with inert absorbent material.

#### 6.4. REFERENCE TO OTHER SECTIONS

See section 8 for more information.



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### 7. HANDLING AND STORAGE

#### 7.1. PRECAUTIONS FOR SAFE HANDLING

Use personal protective equipment as required. No special handling advices are necessary.

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

Store in a cool, dry place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not store in incompatible containers.

#### 7.3. SPECIFIC END USE(S)

Not available.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1. CONTROL PARAMETERS

Contains no substances with occupational exposure limit values.

#### 8.2. EXPOSURE CONTROLS

##### Special protective equipment



**Eye/face protection:** Tight sealing safety goggles.

**Hand protection:** Wear suitable gloves Glove material: Compatible chemical-resistant gloves.

**Other skin and body protection:** Wear suitable protective clothing. Wear rubber footwear.

**Respiratory protection:** In case of insufficient ventilation wear respirators and components tested and approved under appropriate government.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. BASIC INFORMATION ON PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Dried powder or clear liquid.

**Colour:** Not available.

**Odor:** Little to none.

**Relative density:** Not available.

**Solubility(ies):** Not available.

#### 9.2. OTHER INFORMATION

Not determined.



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### 10. STABILITY AND REACTIVITY

#### 10.1. REACTIVITY

No hazardous reactions are expected because the product is stable under recommended storage conditions.

#### 10.2. CHEMICAL STABILITY

Stable under normal conditions.

#### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous reaction has not been reported.

#### 10.4. CONDITIONS TO AVOID

No information available.

#### 10.5. INCOMPATIBLE MATERIALS

Avoid strong acids. Avoid alkalis or strong bases.

#### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

No data available.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

No acute toxicity information is available for this product.

##### Acute toxicity:

There is no evidence available indicating acute toxicity.

##### Primary irritant effect:

- On the skin: Data are conclusive but insufficient for classification.
- On the eye: Data are conclusive but insufficient for classification.

##### Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Contains no substances known to be hazardous to the environment or not degradable in wastewater treatment plants.

#### 12.1. TOXICITY

It is not considered toxic to fish.

#### 12.2. PERSISTENCE AND DEGRADABILITY

There are no data on the degradability of this product.



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### 12.3. BIOACCUMULATION POTENTIAL

No data on bioaccumulation.

### 12.4. MOBILITY IN THE SOIL

No information available.

### 12.5. PBT AND vPvBm ASSESSMENT RESULTS

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6. OTHER ADVERSE EFFECTS

Not determined.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. WASTE TREATMENT METHODS

**General information:** Waste should be treated as hazardous waste. Dispose of waste to an authorized landfill in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods:** Dispose of waste to an authorized landfill in accordance with the requirements of the local Waste Disposal Authority.

## 14. TRANSPORT INFORMATION

### 14.1. UN-NUMBER

No information required.

### 14.2. UN PROPER SHIPPING NAME

No information required.

### 14.3. TRANSPORT HAZARD CLASS(ES)

No information required.

### 14.4. PACKAGING GROUP

No information required

### 14.5. ENVIRONMENTAL HAZARDS

**Hazardous pollutant substance/marine pollutant:** No.

### 14.6. SPECIAL PRECAUTIONS FOR USER

Not Applicable.

### 14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II MARPOL73/78 AND THE IBC CODE

No information required.



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### 15. REGULATORY INFORMATION

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

**National Provisions:** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU Legislation:** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (as amended).

**Guidance:** CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

#### 15.2. CHEMICAL SAFETY ASSESSMENT

Any chemical safety assessment has been carried out.

### 16. OTHER INFORMATION

**Revision comments:** Lines within the margin indicate significant changes from the previous revision.

**Revision Date:** 27/06/2024

**Revision:** 01

**Date of replacement:** No previous revision.

