

# Recombinant Human Interleukin-7 (rHu IL-7)

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules And Regulations According To The Hazardous Products Regulation (February 11, 2015).

Date of Issue: 01/19/2022 Version: 2.0

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

**Product Name:** Recombinant Human Interleukin-7 (rHu IL-7)

**Product Code:** AK9842

#### 1.2. Recommended use of the chemical and restrictions on use

**Identified Uses:** For research use or further manufacturing use in *ex vivo* cell therapy applications.

**Restricted Uses:** Not intended for direct *in vivo* use or for direct clinical use as a drug, therapeutic, biologic or medical device.

#### 1.3. Name, Address, and Telephone of the Responsible Party

Akron Biotechnology, LLC  
6353 W Rogers Circle, Suite 2  
Boca Raton, FL 33487  
561-750-6120  
www.akronbiotech.com  
Email: info@akronbiotech.com

#### 1.4. Emergency Telephone Number

**Emergency Number:** 561-750-6120

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

Not a hazardous substance or mixture.

#### 2.2. Label Elements

Not a hazardous substance or mixture.

#### 2.3. Other Hazards

Not a hazardous substance or mixture.

#### 2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Not applicable.

#### 3.2. Mixture

This product contains no substances which are considered to be hazardous to health at their given concentrations.

| Chemical Name                              | Common name and synonyms                                | Product Identifier (CAS-No) |
|--|---|-----------------------------|
| Recombinant Human Interleukin-7 (rHu IL-7) | Not applicable  | Not applicable              |
| Tween 80                                   | Polysorbate 80, Polyethylene glycol sorbitan monooleate | 9005-65-6                   |
| Citric Acid Anhydrous                      | Not applicable  | 77-92-9                     |
| Trisodium citrate dihydrate                | Sodium Citrate, Sodium citrate tribasic dihydrate       | 6132-04-3                   |
| Mannitol                                   | Mannite   | 69-65-8                     |

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of First-aid Measures

##### Inhalation:

# Recombinant Human Interleukin-7 (rHu IL-7)

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Seek medical advice if necessary.

### **Skin Contact:**

Remove contaminated clothing. Rinse affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.

### **Eye Contact:**

Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

### **Ingestion:**

Not expected to be an ingestion hazard under anticipated conditions of normal use of this material. Seek medical advice if necessary.

### **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**

Not applicable.

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **5.1. Extinguishing Media**

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media:** No data available.

### **5.2. Special Hazards Arising From the Substance or Mixture**

No data available.

### **5.3. Advice for Firefighters**

Standard procedure for chemical fires.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. See Section 8 for more detail.

### **6.2. Environmental Precautions**

No special environmental precautions required.

### **6.3. Methods and Materials for Containment and Cleaning Up**

Soak up liquid components with inert absorbent material.

### **6.4. Reference to Other Sections**

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for Safe Handling**

Use appropriate personal protective equipment (PPE). No special precautions for handling are required.

### **7.2. Conditions for Safe Storage, Including Any Incompatibilities**

Keep container tightly closed in a dry, well-ventilated place and at a temperature of 2-8°C.

### **7.3. Specific End Use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

# Recombinant Human Interleukin-7 (rHu IL-7)

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control Parameters

The product contains no substances with occupational exposure limit values from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

#### 8.2. Exposure Controls

##### Appropriate Engineering Controls:

No special engineering controls are anticipated to be required.

##### Personal Protective Equipment (PPE):

###### Hand Protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

###### Eye Protection:

Use face shield, chemical goggles or safety glasses tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

###### Skin and Body Protection:

The type of protective equipment must be selected according to the concentration, amount of the hazardous substance at the specific workplace and appropriate risk assessment.

###### Respiratory Protection:

Respiratory protection is not required. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

###### Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

###### Environmental Exposure Controls:

No special environmental controls are anticipated to be required.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on Basic Physical and Chemical Properties

|  |   |                           |
|--|---|---------------------------|
| Appearance                             | : | White to off-white powder |
| Odor                                   | : | Not available             |
| Odor threshold                         | : | Not available             |
| pH                                     | : | Not available             |
| Melting point/freezing point           | : | Not available             |
| Boiling point/boiling range            | : | Not available             |
| Flash point                            | : | Not available             |
| Evaporation rate                       | : | Not available             |
| Flammability (solid, gas)              | : | Not available             |
| Lower flammable limit                  | : | Not available             |
| Upper flammable limit                  | : | Not available             |
| Vapor pressure                         | : | Not available             |
| Relative vapor density at 20°C         | : | Not available             |
| Relative density                       | : | Not available             |
| Solubility                             | : | Not available             |
| Partition coefficient: N-Octanol/Water | : | Not available             |
| Auto-ignition temperature              | : | Not available             |

# Recombinant Human Interleukin-7 (rHu IL-7)

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity:

No data available.

#### 10.2. Chemical Stability:

Stable under recommended handling and storage conditions (see Section 7).

#### 10.3. Possibility of Hazardous Reactions:

No data available.

#### 10.4. Conditions to Avoid:

No data available.

#### 10.5. Incompatible Materials:

No data 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 Toxicological Effects

There is no data available indicating acute toxicity.

|  |                  |
|--|------------------|
| Inhalation Exposure                                | : Not classified |
| Ingestion Exposure                                 | : Not classified |
| Skin Exposure                                      | : Not classified |
| Eye Exposure                                       | : Not classified |
| Germ Cell Mutagenicity                             | : Not classified |
| Carcinogenicity                                    | : Not classified |
| Reproductive Toxicity                              | : Not classified |
| Specific Target Organ Toxicity (Single Exposure)   | : Not classified |
| Specific Target Organ Toxicity (Repeated Exposure) | : Not classified |
| Aspiration Hazard                                  | : Not classified |

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1. Ecotoxicity

No data available.

#### 12.2. Persistence and Degradability

No data available.

#### 12.3. Bioaccumulative Potential

No data available.

#### 12.4. Mobility in Soil

No data available.

#### 12.5. Other Adverse Effects

No data available.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Treatment of waste per local authority regulations. Empty containers may retain product residues. Avoid disposal of material into untreated sewers. Disposal of this product, solutions and any by-products should at all times comply with

# Recombinant Human Interleukin-7 (rHu IL-7)

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

the requirements of environmental protection and waste disposal legislation and any regional, national and local authority requirements.

### SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

#### 14.1 Not classified as dangerous in the meaning of transport regulations.

|                              |   |                   |
|------------------------------|---|-------------------|
| UN number                    | : | No data available |
| UN proper shipping name      | : | No data available |
| Transport hazard class       | : | No data available |
| Packing group                | : | No data available |
| Environment Hazards          | : | No data available |
| Special precautions for user | : | No data available |
| Transport in bulk            | : | No data available |

### SECTION 15: REGULATORY INFORMATION

#### SARA 302 Components

This product does not contain any chemical components subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

This product does not contain any chemical components subject to the reporting requirements of SARA Title III, Section 313.

#### SARA 311/312 Hazardous Categorization

|                                   |   |    |
|-----------------------------------|---|----|
| Acute Health Hazard               | : | No |
| Chronic Health Hazard             | : | No |
| Fire Hazard                       | : | No |
| Sudden Release of Pressure Hazard | : | No |
| Reactive Hazard                   | : | No |

#### State Right-to-Know Components

This product does not contain any chemical components subject to the State Right-to-Know Act.

#### California Prop. 65 Components

This product does not contain any chemical components subject to Proposition 65.

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date of Preparation or Latest Revision** : 1/19/2022

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR).

*The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Akron Biotechnology, LLC shall not be held liable for any damage resulting from handling or from contact with the above product.*

NA GHS SDS 2015 (Can, US, Mex)