

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Recombinant Human TGF $\beta$ -1 expressed in HEK 293 cells (rhTGF beta 1)

**Catalog Number:** 200-10

**Contact manufacturer:** DAPCEL, Inc.  
11000 Cedar Ave., Suite 110  
Cleveland, OH 44139

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance name:** Recombinant Human TGF beta-1

The product contains no substances which at their given concentration, are considered to be hazardous to health.

## 3. HAZARDS IDENTIFICATION

### Potential Health Effects

**Eyes:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Inhalation:** No information available.

**Ingestion:** No information available.

### HMIS

**Health: 0   Flammability: 0   Reactivity: 0**

### **HMIS Legend**

- 0 - Minimal Hazard
- 1 - Slight Hazard
- 2 - Moderate Hazard
- 3 - Serious Hazard
- 4 - Severe Hazard
- \* - Chronic Hazard

## 4. FIRST AID MEASURES

<b>Skin contact:</b>	Wash off immediately with plenty of water
<b>Eye contact:</b>	Rinse thoroughly with plenty of water, also under the eyelids
<b>Ingestion:</b>	Rinse mouth with water
<b>Inhalation:</b>	Move to fresh air
<b>Notes to physician:</b>	Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

<b>Fire-fighting equipment:</b>	Not applicable - nonflammable material
<b>Precautions:</b>	Not applicable - nonflammable material

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Use eye protection, gloves, and lab coat
<b>Measures for cleaning:</b>	Remove, place in bag and dispose contaminated material as waste

## 7. HANDLING AND STORAGE

<b>Clean up:</b>	Soak up with inert absorbent material
<b>Handling:</b>	No special handling advice required
<b>Storage:</b>	Store according to product specifications.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Eyes:</b>	Safety glasses
<b>Skin:</b>	Wear lightweight protective clothing and gloves
<b>Inhalation:</b>	Not applicable - not an inhalation hazard
<b>Engineering controls:</b>	Safety shower and eye bath. Mechanical exhaust required
<b>Exposure guidelines:</b>	Wash thoroughly after handling

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

<b>Form</b>	Solid
<b>pH:</b>	No data available
<b>Boiling point:</b>	No data available
<b>Melting point:</b>	No data available
<b>Solubility:</b>	No data available
<b>Volatile%:</b>	No data available
<b>Water content:</b>	No data available
<b>Decomposition Temp.:</b>	No data available
<b>Viscosity:</b>	No data available

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Materials to avoid:</b>	Strong oxidizing agents
<b>Hazardous decomposition:</b>	No information available
<b>Polymerization:</b>	Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

<b>Eyes:</b>	May cause eye irritation
<b>Skin:</b>	May cause skin irritation
<b>Inhalation:</b>	May be harmful if inhaled
<b>Ingestion:</b>	May be harmful if swallowed

## 12. ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

## 14. TRANSPORT INFORMATION

**IATA:** Non-hazardous for Air Transports

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

<b>SARA 313:</b>	Not regulated
<b>U.S. INVENTORY (TSCA):</b>	Not listed on inventory
<b>OSHA HAZARD COMMUNICATION STANDARD:</b>	non hazardous

## 16. OTHER INFORMATION

**Disclaimer:** For R&D use only

**Issued:** 2014

*The above information is believed to be correct but cannot guarantee its accuracy or completeness. The information in this document is based on the current state of our knowledge but may not be sufficient for all individuals and/or situations. The above information does not constitute a warranty, express or implied.*