

## Product MSDS

<b>SECTION 1 – SUBSTANCE IDENTITY &amp; COMPANY INFORMATION</b>
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<b>Product Name:</b> HuSu-TRANS-HSC-PBMNC	
COMPANY INFORMATION	Transcell Oncologics Pvt, Ltd, ALEAP Industrial Estate, Plot No: 64, Road No:5, Pragathi Nagar Road Gajularamaram, Hyderabad., India 500090
FOR INFORMATION CALL	USA corporate office contact number: (908) 325-2508
AFTER-HOURS CONTACT	India operations contact number: +91 7799914445

<b>SECTION 2 – HAZARDS IDENTIFICATION</b>
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GHS Symbol: NA

Signal Word: NA

HMIS Rating : 0	Health: 0	Flammability: 0	Reactivity 0
NFPA Rating : 0	Health: 0	Flammability: 0	Reactivity 0

### Health Hazards

#### Biosafety Level 1 Cell Cultures

- Handle as a potentially biohazardous material under at least Biosafety Level 1 containment.
- This cell line is not known to cause disease in healthy adult humans. These cells have **NOT** been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agents, unless otherwise reported on the Certificate of Analysis.

#### Route of Exposure

<b>Eye Contact</b>	:	Data not available
<b>Skin Contact</b>	:	Data not available
<b>Skin Absorption</b>	:	Data not available
<b>Inhalation</b>	:	Data not available
<b>Ingestion</b>	:	Data not available
<b>Parenteral Exposure</b>	:	Data not available

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

### Various Animal Cell Cultures at Biosafety Level 1 or 2

Either frozen or growing cells shipped in liquid cell culture medium (a mixture of components that may include, but is not limited to: inorganic salts, vitamins, amino acids, carbohydrates and other nutrients dissolved in water). Frozen Cultures may also contain a 5%-10% solution of Dimethyl sulfoxide as a cryoprotectant.

## SECTION 4 - FIRST AID MEASURES

### Report to your Safety Office and Seek Medical Attention as Soon as Possible

- **Ingestion:** If person is unconscious seek emergency medical attention; never give anything by mouth to an unconscious person. If the person is conscious wash mouth out with copious amounts of water and call a physician. Do not induce vomiting unless directed to do so by a physician.
- **Inhalation:** If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician.
- **Dermal exposure:** Immediately wash skin with copious amounts of water followed by washing with soap and copious amounts of water. Remove all contaminated clothing.
- **Eye exposures:** Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.
- **Notes to Physician:** Treat symptomatically and supportively.

## SECTION 5- FIRE FIGHTING MEASURES

- **General:** Wear Self-Contained breathing apparatus in pressure demand. During a fire, irritating and toxic gases may be generated by thermal decomposition.
- **Extinguishing Media:** Water spray, carbon dioxide, dry chemical powder, Halon (where regulations permit), or appropriate foam.
- **Auto Ignition Temperature:** N/A
- **Explosion limits:** N/A
- **Flash Point:** Not Available

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

- **Use Personal Protective Equipment:** Including Chemical Splash Goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure.

### Methods for Cleaning Up

- **Patient/Victim:** Wash with soap and water. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Do not take clothing home.



- **Equipment/Environment:** Allow aerosols to settle; wearing protective clothing, gently cover spill with paper towel and apply 1% sodium hypochlorite, starting at perimeter and working towards the center; allow sufficient contact time before cleanup (30 min).

**Note: The use of additional PPE may be necessary for cleaning solutions**

## SECTION 7- HANDLING AND STORAGE

Handle and store according to instructions on product information sheet and label.

Special Requirements: **Follow established laboratory procedures when handling material.**

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Engineering Controls:** The use and storage of this material requires user to maintain and make available appropriate eyewash and safety shower facilities. Use fume hood or other appropriate ventilation method to keep airborne concentrations as low as possible.
- **Personal Protective Equipment:** Including Safety Glasses or goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure.
- **Exposure Limits:** No exposure limits for this material have been established.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** frozen or freeze dried

No Information is available for pH, Vapor Pressure, Vapor Density, Evaporation Rate, Viscosity, Boiling Point, Freezing/Melting Point, Decomposition Temperature, Solubility, Specific Gravity/Density or Molecular Weight.

## SECTION 10 – STABILITY AND REACTIVITY

- **Chemical Stability:** Stable
- **Conditions to Avoid:** No information available
- **Hazardous Decomposition Products:** No information available
- **Hazardous Polymerization:** Will not occur

## SECTION 11 – TOXICOLOGICAL INFORMATION

- **Toxicity Data:** Data not available
- **Effects of Long Term or Repeated Exposure:** Data not available
- **Chronic Exposure–Teratogen:** Data not available
- **Chronic Exposure–Mutagen:** Data not available
- **Chronic Exposure–Reproductive Hazard:** Data not available

Note: The toxicological properties of this substance have not been fully investigated



#### **SECTION 12- ECOLOGICAL INFORMATION**

No ecological information available

#### **SECTION 13- DISPOSAL CONSIDERATIONS**

Hazardous waste generators are required to determine if a discarded chemical is classified as a hazardous waste. In addition waste generators must consult about and comply with all state and local regulations to ensure compliance.

#### **SECTION 14 – TRANSPORT INFORMATION**

- Land Transport: Not a dangerous good in sense of this transport regulation
- Inland Water ways transport: Not a dangerous good in sense of this transport regulation
- Sea Transport: Not a dangerous good in sense of this transport regulation
- Air Transport : Not a dangerous good in sense of this transport regulation

#### **SECTION 15 – OTHER INFORMATION**

The information presented in this document is believed to be correct based upon data available with Transcell. Users should make an independent decision regarding the accuracy of this information based on their needs and data available to them. All substances and mixtures may present unknown hazards and all necessary safety precautions should be taken. Transcell assumes no liability resulting from using or coming in contact with this substance.