

# SAFETY DATA SHEET (SDS)

## Human Angiotensin-Converting Enzyme 2 (hACE2) Stable Cell Line

### 1: Identification

#### PRODUCT DETAILS

<b>Product Name</b>	Human Angiotensin-Converting Enzyme 2 (hACE2) Stable Cell Line
<b>Other Names</b>	None CL-hACE2-001
<b>Use</b>	For research use, <i>i.e.</i> western blot standard, antibody ELISA, antigen
<b>Company</b>	eENZYME LLC
<b>Address</b>	401 Professional Drive, Suite 160 Gaithersburg, MD 20879, USA
<b>General Information</b>	1-240-683-5851

### Section 2: Hazards Identification

**GHS Symbol:** NA

**Signal Word:** NA

**HMIS Rating:** Health: 0 Flammability: 0 Reactivity: 0

**NFPA Rating:** Health: 0 Flammability: 0 Reactivity: 0

#### Health Hazards

##### For 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. Regardless of results reported on the Certificate of Analysis Universal Precautions according to 29 CFR 1910.1030 should be followed at all times when manipulating these cell lines.

##### For Biosafety Level 2 Cell Cultures

Handle as a potentially biohazardous material under at least Biosafety Level 2 containment. These cell lines are associated with human disease, hazards include: percutaneous injury, ingestion, mucous membrane exposure (U.S. Government Publication Biosafety in Microbiological and Biomedical Laboratories). These cells have NOT been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agents, unless otherwise reported on the Certificate of Analysis. Regardless of results reported on the Certificate of Analysis Universal Precautions according to 29 CFR 1910.1030 should be followed at all times when manipulating these cell lines.

#### Route of Exposure

**Eye Contact:** Data not available.

**Skin Contact:** Data not available.

**Skin Absorption:** Data not available.

**Inhalation:** Data not available.

**Ingestion:** Data not available.

**Parenteral Exposure:** Data not available.

### Section 3: Composition/Information on Ingredients

#### 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.

This substance contains no ingredients at concentrations to be considered hazardous as defined by OSHA 29CFR 1910.1200 however this product should be handled according to good lab practices, with proper personal protective equipment, proper engineering controls and within the parameters of the purchaser's chemical hygiene plan.

### 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, MSHA/NIOSH approved. During a fire, irritating and toxic gases may be generated by thermal decomposition.

<b>Extinguishing Media:</b>	Water spray, carbon dioxide, dry chemical powder, Halon (where regulations permit), or appropriate foam.
<b>Special Firefighting Procedures:</b>	None
<b>Unusual Fire and Explosions Hazards:</b>	None
<b>Autoignition Temperature:</b>	N/A
<b>Explosion limits:</b>	N/A
<b>Flash Point:</b>	N/A

### Section 6: Accidental Release Measures

**Use Personal Protective Equipment:** Including Chemical Splash Goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

### 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 clean up (30 min).

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

## Section 7: Handling and Storage

**Recommendations for Safe Storage:** No special precautions for personal safety

**Additional Storage Information:** None

**Precautions for Safe Handling:** Use Safe Laboratory Practice.

## Section 8: Exposure Controls/Personal Protection

**Exposure Limits:** No exposure limits for this material have been established by ACGIH, NIOSH, or OSHA. There are no Vacated OSHA PEL for this material.

**Engineered Environmental Controls Needed:** No special controls needed

**Personal Protective Measures:** Use Safe Laboratory Practice, protective gloves, goggles, laboratory coat. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

**Special Requirements:** None

## 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

**Reactivity:** Compounds considered non-dangerous at concentrations given.

**Chemical Stability:** Stable

**Hazardous Reactions or Polymerizations:** Will not occur.

**Hazardous Decomposition Products:** None. Burning can produce oxides of carbon and nitrogen.

**Incompatible Materials:** None known

## Section 11: Toxicological Information

**Likely Routes of Exposure:** None if properly handled. Accidental routes include skin, eye and mouth. Accidental exposure might cause a reaction in susceptible individuals.

**Effects of Exposure:** None known, general class of similar chemical solutions have no toxic, carcinogenic, or mutagenic effects.

**Toxicity Data and LD50:** None known at concentrations provided.

No Information was found in relation to: RTECS, LD50/LC50, Carcinogenicity, Epidemiology, Teratogenicity, Reproductive effects, Mutagenicity, or Neurotoxicology.

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 according to 40 CFR Part 261.3. In addition waste generators must consult about and comply with all state and local regulations to ensure compliance.

## Section 14: Transport Information

Land Transport (ADR/RID): Not a dangerous good in sense of this transport regulation.

Inland Water ways transport (ADN): Not a dangerous good in sense of this transport regulation.

Sea Transport (IMDG): Not a dangerous good in sense of this transport regulation.

Air Transport (ICAQ-TP / IATA-DGR): Not a dangerous good in sense of this transport regulation

DOT Classification: Not a DOT controlled material (United States)

## Section 15: Regulatory Information

This substance is not listed on the TSCA Inventory. It is for research and development use only.  
This substance is not SARA listed.

US Federal Regulations: SARA 313: This product is not regulated by SARA CAA, Section 112, Hazardous Air Pollutants (HAPs) (40 CFR 61): This product does not contain HAPs.

US State Regulations: California Proposition 65: This product does not contain chemicals listed under Proposition 65.

## Other Information

**Preparation Date:** 1/12/2021

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.