

## Safety Data Sheet

Product Number: CE2E1  
Product Name: CypExpress™  
2E1  
Revision: 220831

### 1.1 Product Identification

Product Name: CypExpress™ 2E1, Human Cytochrome P4502E1 with reductase  
Product Number: CE2E1.25, CE2E1.250  
Brand: CypExpress™

### 1.2 Supplier

Company: Oxford Biomedical Research, Inc.  
2165 Avon Industrial Drive  
Rochester Hills, MI 48309  
USA  
Contact: 248-852-8815  
[info@oxfordbiomed.com](mailto:info@oxfordbiomed.com)

### 1.3 Relevant Uses

Identified uses: Synthesis of Substances, Laboratory Chemicals

### 1.4 Emergency Contact Number

Contact: 248-852-8815

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

### 2.2 GHS Label or Precautionary Statements

Not a hazardous substance or mixture.

### 2.3 Hazards not otherwise classified

None

### 3.1 Substances: CE2E1 (250mg)

Human enzymes in yeast

### 4.1 Description of first aid measures If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact**

Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

- 4.2 Most important symptoms and effects: acute or delayed**  
The most important symptoms/effects are listed in section 2 and 11
- 4.3 Recommendations for immediate medical care or special treatment**  
Treat symptomatically
- 5.1 Extinguishing media**                      Use water spray, dry chemical, or carbon dioxide
- 5.2 Special hazards**                              No data available

## **SECTION 6: Accidental Release Measures**

- 6.1 Personal precautions and personal protective equipment**                      Standard laboratory personal protective equipment should be utilized.
- 6.2 Environmental precautions**                              No special environmental precautions are required.
- 6.3 Methods for containment and clean up**                              Wipe with absorbent material and dispose of in suitable container.

## **SECTION 7: Handling and Storage**

- 7.1 Precautions for safe handling**                              Follow standard Good Laboratory Practices while using this product.
- 7.2 Conditions for safe storage, including any incompatibilities**                              Keep container tightly closed. Recommended storage temperature is -70°C.

## SECTION 8: Exposure Controls/Personal Protection

|     |                                          |                                                                                                                                                                                             |
|-----|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.1 | <b>OSHA Permissible Exposure Limits</b>  | Contains no substances with occupational exposure limits.                                                                                                                                   |
| 8.2 | <b>Exposure controls</b>                 | Follow standard Good Laboratory Practices while using this product.                                                                                                                         |
| 8.3 | <b>Personal Protective Equipment</b>     |                                                                                                                                                                                             |
|     | <b>Eye/face protection</b>               | Use eye protection approved by NIOSH or EN166.                                                                                                                                              |
|     | <b>Skin protection</b>                   | Handle with gloves. Use proper glove removal technique to avoid skin contact. Gloves should be disposed of after use according to standard Good Laboratory Practices. Wash hands after use. |
|     | <b>Body protection</b>                   | Wear a lab coat in accordance to standard Good Laboratory Practices.                                                                                                                        |
|     | <b>Respiratory protection</b>            | Respiratory protection is not required.                                                                                                                                                     |
|     | <b>Control of environmental exposure</b> | No special environmental precautions are required.                                                                                                                                          |

## SECTION 9: Physical and Chemical Properties

|                         |                   |
|-------------------------|-------------------|
| <b>Appearance</b>       | Powder            |
| <b>Odor</b>             | None              |
| <b>Flammability</b>     | Not flammable     |
| <b>Vapor Pressure</b>   | No data available |
| <b>Odor Threshold</b>   | No data available |
| <b>Vapor Density</b>    | No data available |
| <b>pH</b>               | No data available |
| <b>Relative Density</b> | No data available |
| <b>Melting Point</b>    | No data available |
| <b>Freezing Point</b>   | No data available |
| <b>Solubility</b>       | No data available |
| <b>Boiling Point</b>    | No data available |

|                                  |                   |
|----------------------------------|-------------------|
| <b>Flash Point</b>               | No data available |
| <b>Evaporation Rate:</b>         | No data available |
| <b>Auto-ignition Temperature</b> | No data available |
| <b>Decomposition Temperature</b> | No data available |
| <b>Viscosity</b>                 | No data available |

## **SECTION 10: Stability and Reactivity**

|             |                                           |                                                   |
|-------------|-------------------------------------------|---------------------------------------------------|
| <b>10.1</b> | <b>Reactivity</b>                         | No data available                                 |
| <b>10.2</b> | <b>Chemical Stability</b>                 | Stable under recommended storage conditions       |
| <b>10.3</b> | <b>Possibility of hazardous reactions</b> | No hazardous reactions known if used as intended. |

## **SECTION 11: Toxicological Information**

|             |                                          |                                                                                                                                                 |
|-------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>11.1</b> | <b>Toxicity</b>                          |                                                                                                                                                 |
|             | <b>Acute toxicity</b>                    | No data available                                                                                                                               |
|             | <b>Skin irritation</b>                   | No data available                                                                                                                               |
|             | <b>Serious eye damage or irritation</b>  | No data available                                                                                                                               |
|             | <b>Respiratory or skin sensitization</b> | No data available                                                                                                                               |
|             | <b>Germ cell mutagenicity</b>            | No data available                                                                                                                               |
|             | <b>Carcinogenicity</b>                   | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen. |
|             | <b>Reproductive toxicity</b>             | No data available                                                                                                                               |
|             | <b>Specific target organ toxicity</b>    | No data available                                                                                                                               |
|             | <b>Aspiration hazard</b>                 | No data available                                                                                                                               |

## **SECTION 12: Ecological Information**

|             |                                      |                   |
|-------------|--------------------------------------|-------------------|
| <b>12.1</b> | <b>Toxicity</b>                      | No data available |
| <b>12.2</b> | <b>Persistence and degradability</b> | No data available |
| <b>12.3</b> | <b>Bioaccumulation potential</b>     | No data available |
| <b>12.4</b> | <b>Mobility in Soil</b>              | No data available |
| <b>12.5</b> | <b>Other adverse effects</b>         | No data available |

## **SECTION 13: Disposal Considerations**

|             |                                |                                                      |
|-------------|--------------------------------|------------------------------------------------------|
| <b>13.1</b> | <b>Waste treatment methods</b> | Dispose of product with a licensed disposal company. |
|-------------|--------------------------------|------------------------------------------------------|

## **SECTION 14: Transport Information**

|             |               |                     |
|-------------|---------------|---------------------|
| <b>14.1</b> | <b>US DOT</b> | Not dangerous goods |
| <b>14.2</b> | <b>IMDG</b>   | Not dangerous goods |
| <b>14.3</b> | <b>IATA</b>   | Not dangerous goods |

## **SECTION 15: Regulatory Information**

No known regulatory requirements.

## **SECTION 16: Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

Revision date: 8-31-22