

Lyophilized DH5α *E. coli* with *lacZ* plasmid

Latest revision date: May 20, 2021

Revision: 1

SDS prepared by: Amplyus

SECTION 1 — IDENTIFICATION

Product name: Lyophilized DH5α *E. coli* with *lacZ* plasmid

Catalog or product number: Knockout! Lab KT 1800-01

Product use: This product is for education and research use only

Supplier:

Amplyus LLC

1770 Massachusetts Avenue, Suite 167

Cambridge, MA 02140

Phone: 1-781-990-8727

Fax: 888-317-0512

CHEMTREC Emergency Telephone Number: 1-800-262-8200

SECTION 2 — HAZARDS IDENTIFICATION

GHS classification: Not a hazardous substance or mixture

Hazard statements: None

Precautionary statements: None

Hazards not otherwise classified: N/A

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Concentration	CAS Number
Sucrose	10%	57-50-1
Undisclosed, live DH5α <i>E. coli</i> cells		

SECTION 4 — FIRST AID MEASURES

General information: N/A

Eye contact: Flush eyes with water as a precaution.

Skin contact: Wash off with soap and plenty of water.

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

Ingestion: Wash out mouth with water. Never give anything by mouth to an unconscious person.

SECTION 5 — FIRE-FIGHTING MEASURES

Conditions of flammability: No data available

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

Special protective equipment for firefighters: Wear self-contained breathing apparatus if necessary.

Hazardous combustion products: carbon oxides (CO and CO2)

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid breathing vapors, mist or gas.

Environmental precautions: Do no release into the environment.

Methods and materials for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust) and discard.

SECTION 7 — HANDLING AND STORAGE

Precautions for safe handling: Always wear personal protective equipment (PPE).

Conditions for safe storage: Keep container tightly closed. Store at 4°C.

Incompatible products: N/A

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering controls: Not required. General room ventilation is adequate for use of this product

Personal protective measures: Use personal protective equipment. Avoid breathing vapors, mist or gas.

Personal protective equipment:

- **Skin protection:** protective gloves, appropriate protective clothing
- **Eye protection:** safety glasses

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Form: Powder

Color: White/yellow

Odor: No data available

Odor threshold: No data available

pH: No data available

Melting point/freezing point: No data available

Boiling point: No data available

Flash point: No data available

Evaporation rate: No data available

Ignition temperature: No data available

Autoignition temperature: No data available

Lower explosion limit: No data available

Upper explosion limit: No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density (water = 1): No data available

Water solubility: No data available

Partition coefficient (n-octanol/water): No data available

Viscosity: No data available

SECTION 10 — STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions

Incompatible materials to avoid: Strong oxidizing agents

Hazardous decomposition products: Hazardous decomposition products formed under fire conditions - carbon oxides (CO and CO₂).

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute toxicity LD/LC50 values: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Reproductive toxicity: No data available

Teratogenicity: No data available.

Carcinogenicity: No components of this product are listed by IARC, NTP, and OSHA

SECTION 12 — ECOLOGICAL INFORMATION

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

PBT assessment: No data available

vPvB assessment: No data available

Other adverse effects: No data available

SECTION 13 — DISPOSAL CONSIDERATIONS

Product: Dispose of waste in accordance with applicable national, regional, or local regulations. Do not allow product to reach ground water, water course, or sewage system

Contaminated packaging: Dispose of packaging in accordance with applicable national, regional, or local regulations

SECTION 14 — TRANSPORT INFORMATION

This substance is considered to be non-hazardous for transport

SECTION 15 — REGULATORY INFORMATION

SARA 302/304 (40CFR355.30/40CFR355.40): This material does not contain any components with a section 302 EHS TPQ or a section 304 EHS RQ

SARA 313: Substance not listed

SARA 311/312: No SARA hazards

California Proposition 65: Substance not listed

Massachusetts right to know: Sucrose (57-50-1)

SECTION 16 — OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Amplyus LLC is not held liable for any damage resulting from handling or from contact with the above mentioned products