
SAFETY DATA SHEET

Date Created 08/15/2017
Date Updated 08/15/2017
Version 1.1

Section 1-Identification of the substance/mixture and of the company/undertaking

1.1 Identification of the substance or mixture

Product code : L00339
Product name : CloneEZ® PCR Cloning Kit

1.2 Company/undertaking identification

GenScript Technologies :

1.3 24 hour Emergency Response:

Emergency Phone #: 1-732-885-9188
Telephone : 1-877-436-7274
Fax : 1-732-210-0262
E-mail address : product@genscript.com
Web : <http://www.genscript.com>

1.4 For Research Use Only. Not for use in diagnostic procedures.

Section 2- Hazards identification

2.1 GHS - Classification

Signal Word

None

Health hazards

Not classified

Physical hazards

Not classified

Hazard Statements

Not Applicable

Precautionary Statements

Not Applicable

2.2 Principle Routes of Exposure Potential Health Effects

Eyes

May cause eye irritation with susceptible persons.

Skin

May cause skin irritation in susceptible persons.

Inhalation

May be harmful by inhalation.

Ingestion

May be harmful if swallowed.

2.3 Specific effects

Carcinogenic effects

None.

Mutagenic effects

None.

Reproductive toxicity

None.

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Sensitization

none

Target Organ Effects

No known effects under normal use conditions.

2.4 HMIS

Health	0
Flammability	0
Reactivity	0

Section 3- Composition/information on ingredients

Substance / Preparation:	Preparation	
Ingredient Name	CAS No.	Formula
CloneEZ® Enzyme	Not available	Not available
CloneEZ® Reaction Buffer	Not available	Not available
pUC57 Linearized	Not available	Not available

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

Section 4- First aid measures**4.1 Skin contact**

Rinse cautiously with water for several minutes. Immediate medical attention is not required.

4.2 Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

4.3 Ingestion

Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

4.4 Inhalation

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

4.5 Notes to Physician

Treat symptomatically.

Section 5- Firefighting measures**5.1 Suitable extinguishing media**

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

5.2 Special protective equipment for firefighters

Standard procedure for chemical fires.

Section 6- Accidental release measures**6.1 Personal precautions**

Always wear recommended Personal Protective Equipment. Use personal protection equipment.

6.2 Methods for cleaning up

Soak up with inert absorbent material.

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6.3 Environmental precautions

No special environmental precautions required.

Section 7- Handling and storage

7.1 Handling

Avoid Inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

7.2 Storage

Store the kit at -20°C.

Section 8- Exposure controls/personal protection

8.1 Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.2 Engineering measures

Ensure adequate ventilation, especially in confined areas.

8.3 Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Impervious gloves.

Eye protection

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Lightweight protective clothing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

8.4 Environmental exposure controls

No special environmental precautions required.

Section 9- Physical and chemical properties

9.1 General information

Form	Liquid
Appearance	No data available
Odor	No data available
Odor Threshold	No data available
Boiling point / boiling range	°C No data available °F No data available

Melting point / melting range	°C No data available
	°F No data available
flash point:	°C No data available
	°F No data available
Autoignition Temperature	°C No data available
	°F No data available
Oxidizing properties	No data available
Water solubility	No data available

10.1 Stability

Stable under normal conditions.

10.2 Materials to avoid

No dangerous reaction known under conditions of normal use.

10.3 Hazardous decomposition

None under normal use conditions.

10.4 Products polymerization

Hazardous polymerization does not occur.

Section 11-Toxicological information

11.1 Acute Toxicity

No toxicology information is available.

11.2 Principle Routes of Exposure Potential Health Effects

eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.
Sensitization	None.

Section 12- Ecological information

12.1 Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

12.2 Mobility

No information available.

12.3 Biodegradation

Inherently biodegradable.

12.4 Bioaccumulation

Material does not bioaccumulate.

Section 13- Disposal considerations

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Appropriate Method of Disposal of Substance or Preparation

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14- Transport information

DOT**Proper Shipping Name**

Not available

Non-Hazardous for Transport

This substance is considered to be non-hazardous for transport.

IATA**Non-Hazardous for Air Transport**

Non-hazardous for air transport

Section 15- Regulatory information

15.1 US Classification and Label Text**US Statements**

Caution: The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

15.2 United States Regulatory information

SARA Listed Not available

15.3 Canada Regulatory Information

WHMIS Classification This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL Not available

NDSL Not available

Section 16- Other information

16.1 Reason for revision

SDS sections updated.

For Research Use Only. Not for use in diagnostic procedures.

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"