

# SAFETY DATA SHEET

Date Created 09/13/2019

Date Updated

Version 01

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

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### 1.1 Identification of the substance or mixture

Product code : SD1176

Product name : pUC57 plasmid DNA

### 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 : [order@genscript.com](mailto:order@genscript.com)

Web : <http://www.genscript.com>

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

## Section 2- Hazards identification

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### 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.

**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**

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

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

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**4.2 Eye contact**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**4.3 Ingestion**

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**4.4 Inhalation**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**4.4 Notes to Physician**

Treat symptomatically.

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

Foam, CO2, Water, Dry chemical powder

**5.2 Special protective equipment for firefighters**

Wear self-contained breathing apparatus and protective suit.

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

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

**6.2 Methods for cleaning up**

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

**6.3 Environmental precautions**

No special environmental precautions required.

See Section 12 for more information.

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860 Centennial Ave., Piscataway, NJ 08854, USA

Toll-Free: 1-877-436-7274 Tel: 1-732-885-9188 Fax: 1-732-210-0262 Email: [order@genscript.com](mailto:order@genscript.com) Web: [www.genscript.com](http://www.genscript.com)

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**Section 7- Handling and storage**

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**7.1 Handling**

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

**7.2 Storage**

Store at -20°C.

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**Section 8- Exposure controls/personal protection**

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**8.1 Exposure Limits**

We are not aware of any national exposure limit.

**8.2 Engineering measures**

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.

**8.3 Personal Protective Equipment**

Skin and body: Lab coat. Eyes: Safety glasses. Protective Clothing (Pictograms):

**Respiratory protection**

Not available

**Hand protection**

Impervious gloves.

**Eye protection**

Safety glasses.

**Skin and Body Protection**

Skin and body: Lab coat. Protective Clothing (Pictograms):

**Hygiene measures**

Wash thoroughly after handling.

**8.4 Environmental exposure controls**

No special environmental precautions required.

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**Section 9- Physical and chemical properties**

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**9.1 General information**

Form

lyophilized

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Appearance	Transparent Film	No color.
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	

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### 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.

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## Section 11-Toxicological information

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### 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	Material may be irritating to mucous membranes and upper respiratory tract, May be harmful if inhaled.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.
Sensitization	None.

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## Section 12- Ecological information

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### 12.1 Ecotoxicity

Contains no substances known to be hazardous to the

	environment or not degradable in waste water treatment plants.
<b>12.2 Mobility</b>	No information available.
<b>12.3 Biodegradation</b>	Inherently biodegradable.
<b>12.4 Bioaccumulation</b>	Material does not bioaccumulated.

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**Section 13- Disposal considerations**

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.

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**Section 14- Transport information****14.1 IATA**

<b>Proper Shipping Name</b>	Not available
<b>Hazard Class</b>	None
<b>Subsidiary class</b>	None
<b>Packing group</b>	None
<b>UN-No</b>	None

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**Section 15- Regulatory information****15.1 US Federal Regulations****SARA 313**

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found. SARA 313 toxic chemical notification and release reporting: No products were found.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contains HAPs.

**15.2 US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**15.3 WHMIS Hazard Class**

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

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**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"