



# SAFETY DATA SHEET

## 1. COMPANY AND PRODUCT IDENTIFICATION

<b>Product Name</b>	myTXTL control plasmids (various)	
	- T7 deGFP Control Plasmid	25 µL
	- T7 GLuc Control Plasmid	25 µL
	- P70 deGFP Control Plasmid	30 µL
<b>Product Codes</b>	502XXX, 503XXX	
<b>Recommended use</b>	For research use only. Not intended for human or animal diagnostic or therapeutic uses.	
<b>Supplier Address</b>	Daicel Arbor Biosciences 5840 Interface Drive, Suite 101 Ann Arbor, MI 48103 USA	
<b>Email</b>	<a href="mailto:techsupport@arbor.daicel.com">techsupport@arbor.daicel.com</a>	
<b>Phone</b>	+ 1 (734) 998-0751	
<b>Emergency Phone Number</b>	+1 (800) 222-1222 (American Association of Poison Control Centers) Available 24 hours everyday	

## 2. HAZARD(S) IDENTIFICATION

### Emergency Overview

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. Use prudent laboratory practices for handling chemical substances.

**Appearance** Colorless      **Physical State** Liquid      **Odor** Odorless

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 4. FIRST-AID MEASURES

### General Advice

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove from exposure, lie down. Do not breathe dust/fume/gas/mist/vapors/spray.

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash skin with soap and water.

<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.
<b>Note to Physician</b>	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Substance is non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### **Unsuitable Extinguishing Media**

None known.

### **Specific Hazards Arising from the Chemical**

None known.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal Precautions**

Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing.

### **Personal Protective Equipment [PPE]**

Use personal protection recommended in Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### **Environmental Precautions**

Should not be released into the environment.

### **Methods for Containment**

Prevent further leakage or spillage if safe to do so.

### **Methods for Cleaning Up**

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Dispose in accordance with local/state/national regulations.

## 7. HANDLING AND STORAGE

### **Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice.

### **Storage Temperature**

Refer to Product Data Sheet for specific information.

### **Storage Conditions**

Keep/store only in original container. Keep tightly closed in a dry and cool place.

### **Incompatible Materials**

None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Measures

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

### Exposure Guidelines

This product does not contain any hazardous materials.

### Personal protective equipment (PPE)

Refer to OSHA's regulations in 29 CFR 1910.133 or European Standard EN166 for eye/face protection and 29 CFR 1910.134 or European standard EN149 for respiratory protection.

*Eye/face Protection*

Wear safety glasses with side shields (or goggles).

*Skin and Body Protection*

Wear suitable protective clothing and gloves.

*Respiratory Protection*

Use in well-ventilated areas.

*General Hygiene Considerations*

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear
Odor	Odorless

### Property

pH
Melting Point/Freezing Point
Boiling Point/Boiling Range
Flash Point
Evaporation Rate
Flammability (solid, gas)
Flammability Limit in Air
Upper Flammability Limit
Lower Flammability Limit
Vapor Pressure
Vapor Density
Relative Density
Specific Gravity
Water solubility
Solubility in Other Solvents
Partition Coefficient
Autoignition Temperature
Decomposition Temperature
Kinematic Viscosity
Dynamic Viscosity
Explosive Properties
Oxidizing Properties

### Notes/Method

No information available
No information available
No information available
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### Other Information

Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk Density	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No data available.
<b>Stability</b>	Stable under Normal Conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	None known based on information supplied.
<b>Incompatible Materials</b>	None known based on information supplied.
<b>Hazardous Decomposition Products</b>	None known

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

<i>Inhalation</i>	Specific test data for the substance or mixture is not available.
<i>Eye Contact</i>	Specific test data for the substance or mixture is not available.
<i>Skin Contact</i>	Specific test data for the substance or mixture is not available.
<i>Ingestion</i>	Specific test data for the substance or mixture is not available.

### Chronic Toxicity

<i>Skin Corrosion/Irritation</i>	No information available
<i>Serious Eye Damage/Eye Irritation</i>	No information available
<i>Irritation</i>	No information available
<i>Corrosivity</i>	No information available
<i>Sensitization</i>	
Skin	No information available
Respiratory	No information available
<i>Germ Cell Mutagenicity</i>	No information available
<i>Carcinogenicity</i>	No information available
<i>Reproductive Toxicity</i>	No information available
<i>Developmental Toxicity</i>	No information available
<i>Teratogenicity</i>	No information available
<i>STOT - Single Exposure</i>	No information available
<i>STOT - Repeated Exposure</i>	No information available
<i>Chronic Toxicity</i>	No information available
<i>Subchronic Toxicity</i>	No information available
<i>Target Organ Effects</i>	No information available
<i>Neurological Effects</i>	No information available
<i>Other Adverse Effects</i>	No information available
<i>Aspiration Hazard</i>	No information available

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity (aquatic and terrestrial)</b>	Do not empty into drains.
<b>Persistence and Degradability</b>	No information available
<b>Bioaccumulative Potential</b>	No information available
<b>Mobility in Soil</b>	No information available

**Other Adverse Effects**

*Ozone depletion potential (ODP)*  
No information available

**13. DISPOSAL CONSIDERATIONS**

**Relevant Information**

Keep out of drains, sewers, ditches and waterways.

**Disposal Considerations**

Dispose in accordance with local/state/national regulations.

**Contaminated Packaging**

Empty containers must be tripled rinsed prior to disposal.

**14. TRANSPORT INFORMATION**

<b>DOT</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG</b>	Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA	Not determined
DSL	Not determined
NDSL	Not determined

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<i>Acute health hazard</i>	No
<i>Chronic Health Hazard</i>	No
<i>Fire hazard</i>	No
<i>Sudden Release of Pressure Hazard</i>	No
<i>Reactive Hazard</i>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

## International Regulations

### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Canadian NPRI	Not Listed
WHIMIS (Canada)	Not Classified

## 16. OTHER INFORMATION

### Training advice

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

**FOR RESEARCH USE ONLY.**

**FOR IN VITRO USE ONLY.**

**NOT FOR USE IN HUMAN OR ANIMALS.**

**NOT FOR USE IN DIAGNOSTIC PROCEDURES.**

**Prepared by** Daicel Arbor Biosciences  
+1 (734) 998-0751

**Creation Date** 5/29/2024

**Version** 01

**Revision Note** SDS is valid three (3) years from revision date. Contact [techsupport@arbor.daicel.com](mailto:techsupport@arbor.daicel.com) for latest revision.

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**End of Safety Data Sheet**