



# SAFETY DATA SHEET

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Name** myTXTL Pro Cell-Free Expression Kit (300µL, 1000µL, 10mL)  
**Product Code** 54XXXX  
**Kit Components**  
- Pro Master Mix 0.3-10 mL  
- Pro Helper Plasmid 20-750 µL  
- T7 deGFP Control Plasmid 25-50 µL

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended use** For research use only. Not intended for human or animal diagnostic or therapeutic uses.

### 1.3. Details of the supplier of the safety data sheet

**Supplier Address** Daicel Arbor Biosciences  
5840 Interface Drive, Suite 101  
Ann Arbor, MI 48103  
USA  
**Email** [techsupport@arbor.daicel.com](mailto:techsupport@arbor.daicel.com)  
**Phone** + 1 (734) 998-0751

### 1.4. Emergency telephone number

**Emergency Phone Number** +1 (800) 222-1222 (American Association of Poison Control Centers)  
Available 24 hours everyday

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

**Regulation (EC) No 1272/2008**

**There is no harmonized classification and there are no notified hazards by manufacturers, importers or downstream users for this product.**

**Regulation (EC) No 2000/54** This material can be handled at Biological Safety Level One (BSL-1) containment. Biological Safety Level One (BSL-1) containment, using standard microbiological practices, is suitable for work involving well-characterized microbiological organisms not known to consistently cause disease in immunocompetent adult humans, and present minimal potential hazard to laboratory personnel and the environment.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

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.

## Section 4: FIRST AID MEASURES

### 4.1. Description of 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.

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin Contact** Wash skin with soap and water.

**Inhalation** Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Note to Physician** Treat symptomatically.

## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

**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.

### 5.2. Special hazards arising from the substance or mixture

**Specific Hazards Arising from the Chemical** None known.

### 5.3. Advice for firefighters

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

<b>Environmental Precautions</b>	Should not be released into the environment.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Dispose in accordance with local/regional/national/international regulations.

### 6.4. Reference to other sections

<b>Reference to other sections</b>	See section 8 for more information. See section 13 for more information.
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## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice.
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### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage Temperature</b>	Refer to Product Data Sheet for specific information.
<b>Storage Conditions</b>	Keep/store only in original container. Keep tightly closed in a dry and cool place.
<b>Incompatible Materials</b>	None known based on information supplied.

### 7.3. Specific end use(s)

<b>Risk Management Methods (RMM)</b>	The information required is contained in this Safety Data Sheet.
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## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

<b>Exposure Limits</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies
<b>Derived No Effect Level (DNEL)</b>	No information available.
<b>Predicted No Effect Concentration (PNEC)</b>	No information available.

## 8.2. Exposure controls

### **Engineering Controls**

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

### **Personal protective equipment (PPE)**

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.

## **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

### 9.1. Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear
Odor	Odorless

<u>Property</u>	<u>Values</u>	<u>Remarks / Method</u>
pH	No information available	
Melting Point/Freezing Point	No information available	
Boiling Point/Boiling Range	No information available	
Flash Point	No information available	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air	No information available	
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Relative Density	No information available	
Specific Gravity	No information available	
Water solubility	No information available	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

### 9.2. 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

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

**Reactivity** No data available.

### 10.2. Chemical stability

**Stability** Stable under Normal Conditions.

### 10.3. Possibility of hazardous reactions

**Possibility of Hazardous Reactions** None under normal processing.

### 10.4. Conditions to avoid

**Conditions to Avoid** None known based on information supplied.

### 10.5. Incompatible materials

**Incompatible Materials** None known based on information supplied.

### 10.6. Hazardous decomposition products

**Hazardous Decomposition Products** None known

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### **Product Information**

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

#### Information on toxicological effects

Inhalation Specific test data for the substance or mixture is not available.

Eye Contact Specific test data for the substance or mixture is not available.

Skin Contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin Corrosion/Irritation	No information available
Serious Eye Damage/Eye Irritation	No information available
Irritation	No information available
Corrosivity	No information available
Respiratory or skin sensitization	No information available
Germ Cell Mutagenicity	No information available
Carcinogenicity	No information available
Reproductive Toxicity	No information available
STOT - Single Exposure	No information available
STOT - Repeated Exposure	No information available
Aspiration Hazard	No information available

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecotoxicity (aquatic and terrestrial)** Do not empty into drains.

### 12.2. Persistence and degradability

**Persistence and Degradability** No information available

### 12.3. Bioaccumulative potential

**Bioaccumulative Potential** No information available

### 12.4. Mobility in soil

**Mobility in Soil** No information available

### 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** No information available

### 12.6. Other adverse effects

**Other Adverse Effects** *Ozone depletion potential (ODP)*  
No information available

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Relevant Information** Keep out of drains, sewers, ditches and waterways.

**Disposal Considerations** Dispose in accordance with local/regional/national/international regulations.

**Contaminated Packaging** Empty containers must be tripled rinsed prior to disposal.

## Section 14: TRANSPORT INFORMATION

### IMDG

**14.1 UN/ID no** Not regulated  
**14.2 Proper shipping name** Not regulated  
**14.3 Hazard Class** Not regulated  
**14.4 Packing Group** Not regulated  
**14.5 Marine pollutant** Not applicable  
**14.6 Special Provisions** None

### RID

**14.1 UN/ID no** Not regulated  
**14.2 Proper shipping name** Not regulated  
**14.3 Hazard Class** Not regulated  
**14.4 Packing Group** Not regulated  
**14.5 Environmental hazard** Not applicable  
**14.6 Special Provisions** None

### ADR

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

### IATA

	<b>Not regulated</b>
14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

## Section 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

#### Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 2023/2055 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 2023/2055 (REACH), Annex XVII)

**Persistent Organic Pollutants** Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 2024/590** Not applicable

#### 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

### 15.2. Chemical safety assessment

**Chemical Safety Report** No information available

#### 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

## Section 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.**

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

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**End of Safety Data Sheet**