

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 control plasmids (various)	
	- T7 deGFP Control Plasmid	25 µL
	- T7 GLuc Control Plasmid	25 µL
	- P70 deGFP Control Plasmid	30 µL
Product Codes	502XXX, 503XXX	

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

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

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

6.2. Environmental precautions

Environmental Precautions	Should not be released into the environment.
----------------------------------	--

6.3. Methods and material for containment and cleaning up

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/regional/national/international regulations.

6.4. Reference to other sections

Reference to other sections	See section 8 for more information. See section 13 for more information.
------------------------------------	--

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice.
--------------------------------	--

7.2. Conditions for safe storage, including any incompatibilities

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.

7.3. Specific end use(s)

Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.
--------------------------------------	--

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

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

	Not regulated
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.

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 for latest revision.

Daicel and Daicel Arbor Biosciences are registered trademarks of Daicel Corporation.

DISCLAIMER: The information contained in this document is based on Daicel Arbor Biosciences state of knowledge at the time of preparation 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 applicable local regulations should be followed. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied. **DAICEL ARBOR BIOSCIENCES SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.**

End of Safety Data Sheet