SAFETY DATA SHEET

Date Created	04/21/2025
Date Updated	06/06/2025
Version	02

Section 1 - Chemical Product and Company Identification

1.1. Identification of the substance or mixture

Product code	KIOK30
Product name	GenCircle dsDNA_Sleeping Beauty_CMV_Sbase

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	oligo@genscript.com
Web	http://www.genscript.com

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

Section 2 - Hazards identification

2.1. GHS - Classification

GHS Signal Word	Not applicable
GHS Hazard Phrases	Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS
GHS Health hazards	Not applicable.
GHS Physical hazards	Not applicable
GHS Storage and Disposal Phrases	Please refer to Section 7 for Storage and Section 13 for Disposal information.

2.2. Effects and Symptoms

Adverse to Human Health	Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

2.3. HMIS

Health	1
Flammability	1
Reactivity	0

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Section 3- Composition/information on ingredients

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

Section 4 - First aid measures

Eye Contact	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing
Serious Skin Contact	Not available
Inhalation	Allow the victim to rest in a well-ventilated area. Seek immediate medical attention。
Serious Inhalation	Not available
Ingestion	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Serious Ingestion	Not available

Section 5 - Fire and Explosion Data

Auto-Ignition Temperature	Not available.
Flash Points	Not available
Flammable Limits	Not available
Fire Hazards in Presence of Various Substances	Not available
Special Remarks on Fire Hazards	Not available
Special Remarks on Explosion Hazards	Not available

Section 6- Accidental release measures

Personal precautions	Use personal protection equipment.
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.
Environmental precautions	No special environmental precautions required. See Section 12 for more information.

Section 7- Handling and storage

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Handling	Avoid inhalation. Avoid contact with eyes, skin, and clothing. Always wear recommended Personal Protective Equipment.
Storage	Store in a cool dry place, prolonged storage at -20°C.

Section 8- Exposure controls/personal protection

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	
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment
Hand protection	Impervious gloves.
Eye protection	Safety glasses.
Skin and Body Protection	Lab coat. Protective Clothing (Pictograms) 
Hygiene measures	Wash thoroughly after handling.
8.4. Environmental exposure controls	No special environmental precautions required.

Section 9- Physical and chemical properties

Form	Lyophilized or Solution (TE Buffer)
Appearance	Transparent, film/powder like substance or transparent solution
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	Soluble

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Section 10 - Stability and reactivity

Reactivity	No adverse reactions have been reported
Stability	Stable under normal conditions.
Materials to avoid	No dangerous reaction known under conditions of normal use.
Hazardous decomposition	Not Available.
Products polymerization	Not Available.

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	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

Ecotoxicity	No information available.
Mobility	No information available.
Biodegradation	No information available.
Bioaccumulation	No information available.

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.

Section 14 - Transport information

IATA	None known
Proper Shipping Name	Not available
Hazard Class	None
Subsidiary class	None

Packing group	None
UN-No	None

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.

"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"

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