SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name	CellVantage™ LV
Recommended Use	For research and development use only.
Restrictions on Use	Not for use in GMP manufacturing of human or veterinary products.
Company Information	Virica Biotech Inc. 7 Bayview Station Road Ottawa, ON, K1Y 2C5 Canada
Emergency Contact	T: +1 613-608-7924 Only available during the following office hours: 9:00 – 17:00 EST Languages of phone service: English For EU emergencies contact local poison control.

SECTION 2: HAZARDOUS IDENTIFICATION

GHS Classification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS).
Skin corrosion/irritation, Category 2
Serious eye damage/ irritation, Category 2A
Specific target organ toxicity, single exposure; Respiratory tract irritation, Category 3

GHS Label Elements

Product Name CellVantage™ LV

Pictogram



Signal word Warning

Hazard statement(s)

H302	Causes skin irritation.
H315	Causes serious eye irritation.
H319	May cause respiratory irritation.

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling. Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye-protection/face protection.
P302+P352	IF ON SKIN: wash with plenty of water.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P332+P313	IF SKIN irritation occurs: Get medical advice/attention.

	P337+P313	IF eye irritation persists: Get medical advice/attention.
	P362	Take off contaminated clothing and wash before reuse.
	P403+P233	Store in a well-ventilated place. Keep container tightly closed.
	P405	Store locked up.
	P501	Dispose of contents/container in accordance with local/reginal/national regulations.

Other Hazards None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name/ Component	CAS No.	Concentration
CellVantage™ LV	Trade Secret	Trade Secret

SECTION 4: FIRST AID MEASURES

First Aid Measures

Inhalation Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

Skin Contact Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician.

Eye Contact Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water. Separate eyelids with fingers to ensure adequate flushing. Promptly call a physician.

Ingestion Wash out mouth with water; Do NOT induce vomiting; call a physician.

Most Important Symptoms and Effects

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media Use water spray, dry chemical, foam, and carbon dioxide fire extinguisher.

Unsuitable Extinguishing Media Unknown.

Specific Hazards Arising from the Hazardous Product

During combustion, may emit irritant and toxic fumes under fire conditions including carbon monoxide, carbon dioxide, nitrogen oxides, and sulfur oxides.

Special Protective Equipment and Precautions for Fire-Fighters

Wear self-contained breathing apparatus and protective clothing. Fight fire from a safe distance and with normal precautions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Use full personal protective equipment. Avoid breathing vapors, mist, dust or gas. Ensure adequate ventilation. Evacuate

personnel to safe areas. Refer to protective measures listed in sections 8.

Environmental Precautions

Try to prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Method and Materials for Containment and Cleaning Up

Absorb solutions with finely powdered liquid-binding material (diatomite, universal binders); Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid inhalation of dusts, mists, or aerosols. Avoid contact with eyes and skin. Use only in well-ventilated areas with appropriate local exhaust ventilation. Follow good industrial hygiene practices.

Conditions for safe storage

Keep container tightly sealed in cool, well-ventilated area. Keep away from direct sunlight and sources of ignition.

Storage Temperature Room temperature, -80°C upon dissolution.
Storage Life Not determined. Stability studies are ongoing. Contact us for more information.

Specific End Use(s) For research and development use only. Not for human or veterinary use.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
CellVantage™ LV	Not established	Not established	Not established

Appropriate Engineering Controls

Engineering Measures Ensure adequate ventilation. Provide accessible safety shower and eye wash station.

Individual Protection Measures

Eye/Face Protection Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH.

Skin and Body Protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory Protection For nuisance exposures use type P95 particle respirator. For higher level protection use type OV/AG/P99 respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH.

Hygiene Measures Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Remove contaminated clothing and wash before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Off-white to beige powder
Color	Off-white to beige
Odor	No data available.
Odor Threshold	No data available.
Melting Point/Freezing point	191.18°C/ 376.124°F
Boiling point/ boiling range	No data available.
Flash Point	No data available.
Flammability	No data available.
Evaporation Rate	No data available.
Flammability (solid, gas)	No data available.
Flammability Limits in Air	No data available.
Upper Flammability Limit	No data available.
Lower Flammability Limit	No data available.
Vapour Pressure	No data available.
Vapour Density	No data available.
Specific Gravity	No data available.
Water Solubility	No data available.
Solubility in Other Solvents	No data available.
Partition Coefficient: n-octanol/water	3.496
Autoignition Temperature	No data available.
Kinematic Viscosity	No data available.
Dynamic Viscosity	No data available.
Explosive Properties	No data available.
Oxidizing Properties	No data available.

Other Information

Softening Point	No data available.
VOC Content (%)	No data available.
Particle Size	No data available.
Particle Size Distribution	No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available.
Conditions to avoid	No data available.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation	May cause respiratory irritation.
Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation.

Ingestion Harmful effects not expected under normal conditions of use. Ingestion is not an intended route of exposure.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
CellVantage™ LV	No data available.	No data available.	No data available.

Information on Toxicological Effects

Symptoms Symptoms may include redness, irritation, and discomfort to the skin and eyes. Inhalation may cause respiratory tract irritation.

Delayed and Immediate Effects as Well as Chronic Effects from Short and Long-Term Exposure

Sensitization No data available.

Mutagenic Effects Not mutagenic based on Ames bacterial reverse mutation assay up to 100µM (highest concentration tested).

Carcinogenicity

ACGIH No component ≥0.1% classified as A1–A3 carcinogen.

IRAC No component ≥0.1% classified as carcinogenic (Group 1, 2A, or 2B).

NTP No component ≥0.1% listed as known or reasonably anticipated carcinogen.

OSHA No component ≥0.1% regulated as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
CellVantage™ LV	Not classified	Not listed	Not listed	Not listed

Reproductive Toxicity No data available.

STOT - Single Exposure No data available.

STOT – Repeated Exposure

Chronic Toxicity No data available.

Target Organ Effects No data available.

Aspiration Hazard Not classified as an aspiration hazard.

Numerical Measure of Toxicity – Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) Not applicable.

ATEmix (inhalation-dust/mist) Not applicable.

Germ Cell Mutagenicity

Bacterial reverse mutation assay (AMES test) Negative:
The substance did not induce gene mutations in Salmonella typhimurium strains tested, with and without metabolic activation.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity No data available.

Persistence and Degradation No data available.

Bioaccumulation Potential No data available.

Mobility in Soil No data available.

Other Adverse Effects No data available.

Disposal Methods	Dispose substance in accordance with prevailing country, federal, state and local regulations.
Contaminated Packaging	Conduct recycling or disposal in accordance with prevailing country, federal, state and local regulations. Empty containers may retain residue and should be handled with appropriate precautions.

SECTION 14: TRANSPORT INFORMATION

UN Number	Not regulated.
UN Proper Shipping Name	Not regulated.
Transport Hazard Class(es)	Not regulated.
Packing Group	Not applicable.
Environmental Hazards	Not applicable.
Transport in Bulk	Not applicable.
Special Precautions	No special precautions required.

SECTION 15: REGULATORY INFORMATION

Chemical Inventories

TSCA	The chemical substance is subject to the Toxic Substances Control Act (TSCA). The specific chemical identity is withheld as a trade secret in accordance with TSCA requirements.
DSL/NDSL	Not determined.

U.S. 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

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

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

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 product does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

EPA Statement

This product is intended for research and development use only and is not intended for commercial, consumer, or environmental release.

California Proposition 65

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

SECTION 16: OTHER INFORMATION

Revision Date	22 October 2026
Version	1.0
Reason for Revision	First issue of SDS.
Additional Information	No additional information.

Disclaimer

The information provided in this Safety Data Sheet is believed to be accurate and represents the best information currently available to us. However, no warranty, express or implied, is made regarding the accuracy or completeness of this information. The information is intended to provide guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification.