

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

Product Name	VSETM-008
Product Number	108109, 108117
Recommended Use	For research use only.
Restrictions on Use	Not for human use.
Company Information	Virica Biotech Inc. 7 Bayview Station Road Ottawa, ON, K1Y 2C5 Canada
Emergency Contact	T: +1 613-608-7924 (09:00-17:00 EST)

SECTION 2: HAZARDOUS IDENTIFICATION

GHS Classification	GHS Classification in accordance with 29 CFR 1910 (OSHA HCS). Acute toxicity, oral, Category 4 Skin corrosion/ irritation, Category 2 Serious eye damage/ eye irritation, Category 2A Specific target organ toxicity, single exposure; respiratory tract irritation, Category 3
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GHS Label Elements

Product Name VSETM-008

Pictogram



Signal word Warning

Hazard statement(s)
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove person to fresh air and keep 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.
P330 Rinse mouth.
P362+P364 Take off contaminated clothing and wash it before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container according to local regulations.

Other Hazards None
Additional Information No additional information

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances

Chemical Name/ Component	CAS No.	Concentration
Proprietary Heterocyclic compound with nitrogen hetero-atom(s) (VSE™-008)	Trade Secret	Trade Secret

Other Information

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with applicable regulations.

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).

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 (CO₂) fire extinguisher.
Unsuitable Extinguishing Media No data available.

Specific Hazards Arising from the Hazardous Product

During combustion, may emit irritant fumes.

Special Protective Equipment and Precautions for Fire-Fighters

Wear self-contained breathing apparatus and protective clothing.

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. Keep the product away from drains or water courses.

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, contact with eyes and skin. Avoid dust and aerosol formation. Use only in areas with appropriate exhaust/ventilation.

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
VSETM-008	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 Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin and Body Protection Protective gloves suitable for chemical handling (e.g., nitrile) and lab coat or other appropriate chemical-resistant protective clothing.

Respiratory Protection Not normally required under standard laboratory conditions. Use appropriate respiratory protection if dust is generated or exposure limits are exceeded. Use a NIOSH-approved respirator if engineering controls are insufficient or during spill response.

Hygiene Measures Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Remove contaminated clothing and wash before reuse. Provide regular cleaning of equipment, work area and clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	White to off-white solid
Color	White to off-white
Odor	No data available.
Odor Threshold	No data available.
Property	No data available.
Melting Point/Freezing point	No data available.
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	Soluble in 100% DMSO at 10mM
Partition Coefficient: n-octanol/water	No data available.
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 acids/alkalis, strong oxidising/reducing agents.
Hazardous decomposition products	Under fire conditions, may decompose and emit toxic fumes. Other decomposition products - no data available.

SECTION 11: TOXOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation	Irritating to respiratory system. May be harmful if inhaled
Eye Contact	Irritating to eyes.
Skin Contact	Causes skin irritation. May be harmful in contact with skin.
Ingestion	May be harmful if swallowed.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
VSE™-008	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.
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Delayed and Immediate Effects as Well as Chronic Effects from Short and Long-Term Exposure

Sensitization	No data available.
Mutagenic Effects	No data available.
Carcinogenicity	No data available.

Chemical Name	ACGIH	IARC	NTP	OSHA
VSE™-008	Not listed	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	No data available.
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Numerical Measure of Toxicity – Product Information

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

ATEmix (oral)	No data available.
ATEmix (inhalation-dust/mist)	No data available.

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.

SECTION 13: DISPOSAL CONSIDERATIONS

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.

SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

Chemical Inventories

TSCA	All components are listed on or exempt from the TSCA inventory. Specific chemical identity is withheld as a trade secret.
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	14 April 2026
Version	1.0
Reason for Revision	Initial Issue.
Additional Information	None.

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.