

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS)

SECTION 1: Identification

1.1 Product Identifier

Vinmetrica-001

Other Identifying Product Numbers: R001071-VINMET

1.2 Recommended Use and Restrictions on Use

Filling Solution for Galvanic Style Dissolved Oxygen Electrode

1.3 Details of the Supplier of the Safety Data Sheet

Company: Van London Co.

Address: 10540 Rockley Rd
 Houston, TX 77099

Telephone: 800-522-7920

1.4 Emergency Telephone Number

Van London Company: 832-456-6641

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

Classification according to GHS-US

Reproductive toxicity Category 1B H360

2.2 GHS Label Elements

Pictograms:



Signal Word: **Danger**

2.3 Hazard(s) and Precautionary Statements

Hazard Statements:

Hazard Number	Hazard Statement
H360	May damage fertility or the unborn child

Precautionary Statements:

Precautionary Number:	Precautionary Statement:
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood

Safety Data Sheet

P280 Wear protective gloves, eye protection
P308+P313 If exposed or concerned: Get medical advice/attention
P405 Store locked up
P501 Dispose of contents in accordance with local, state, federal and international regulations.

2.4 Hazards not Otherwise Classified or Covered by GHS

Data not available

SECTION 3: Composition / Information on Ingredients

3.1 Components of Substance or Mixture

Chemical Name	CAS Number	Weight %
Water	7732-18-5	40
Sodium tetraborate decahydrate	1303-96-4	4
Sodium chloride	7647-14-5	6
Propylene glycol	57-55-6	50

SECTION 4: First-Aid Measures

4.1 General First Aid Information

Eye Contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

Inhalation: Allow victim to breathe fresh air. Allow the victim to rest.

Skin Contact: Wash off with soap and plenty of water.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most Important Symptoms and Effects, Acute and Delayed

May damage fertility or the unborn child.

4.3 Medical Attention or Special Treatment Needed

No additional information available

SECTION 5: Fire-Fighting Measures

5.1 Extinguishing Media

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

5.2 Specific Hazards Arising from the Substance or Mixture

No additional information available

5.3 Special Protective Equipment for Firefighters

Use protective clothing and breathing equipment appropriate for the surrounding fire.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Keep unprotected persons away.

Safety Data Sheet

6.2 Cleanup and Containment Methods and Materials

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling and Storage Conditions

Handling: Avoid contact with eyes. Avoid inhalation of vapour or mist. Wash hands thoroughly after handling.

Storage: Keep container tightly closed and upright in a dry and well-ventilated place. Store at ambient or lower temperature. Protect against physical damage.

SECTION 8: Exposure Controls / Personal Protection

8.1 Control Parameters

Chemical Name	Country	Exposure Limit	Information Source
Sodium tetraborate decahydrate	USA	2 mg/m ³	ACGIH - TWA (mg/m ³)
Sodium tetraborate decahydrate	USA	6 mg/m ³	ACGIH STEL (mg/m ³)
Sodium tetraborate decahydrate	USA	5 mg/m ³	NIOSH REL (TWA) (mg/m ³)

8.2 Exposure Controls

Engineering Controls: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Normal room ventilation is adequate.

8.3 Personal Protective Equipment

Eye Protection: Safety glasses or goggles.

Respiratory Protection: In case of inadequate ventilation, wear respiratory protection. Normal room ventilation is adequate.

Skin Protection: Chemical resistant gloves

SECTION 9: Physical and Chemical Properties

9.1 Basic Physical and Chemical Properties

Appearance: Colorless

Physical State: Liquid

Odor: None

Odor Threshold: Data not available

pH: 9.8

Melting/Freezing Point: Data not available

Initial Boiling Point/Range: Data not available

Flash Point: Data not available

Evaporation Rate: Data not available

Flammability: Data not available

Safety Data Sheet

Flammability/Explosive Limits: Data not available

Vapor Pressure: Data not available

Vapor Density: Data not available

Relative Density: Data not available

Solubility: Data not available

Partition Coefficient: Data not available

Auto-Ignition Temperature: Data not available

Decomposition Temperature: Data not available

Viscosity: Data not available

Explosive Properties: Data not available

Oxidizing Properties: Data not available

SECTION 10: Stability and Reactivity

10.1 Reactivity and Chemical Stability

Stable under normal conditions of use and storage

10.2 Possibility of Hazardous Reactions

Data not available

10.3 Conditions to Avoid and Incompatible Materials

Strong acids, strong oxidizers

10.4 Hazardous Decomposition Products

Boron, Carbon monoxide, Carbon dioxide

SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects

Acute Toxicity - Oral Exposure:

Not applicable.

Acute Toxicity - Dermal Exposure:

Not applicable.

Acute Toxicity - Inhalation Exposure:

Not applicable.

Acute Toxicity - Other Information:

Component	LD50 oral rat	LD50 dermal rabbit
Propylene glycol	20 g/kg	20800 mg/kg
Sodium tetraborate decahydrate	2660 mg/kg	10000 mg/kg

Skin Corrosion and Irritation:

Not applicable.

Serious Eye Damage and Irritation:

Not applicable.

Respiratory Sensitization:

Not applicable.

Skin Sensitization:

Safety Data Sheet

Not applicable.

Germ Cell Mutagenicity:

Not applicable.

Carcinogenicity:

Not applicable.

Reproductive Toxicity:

May damage fertility or the unborn child

Specific Target Organ Toxicity from Single Exposure:

Not applicable.

Specific Target Organ Toxicity from Repeated Exposure:

Not applicable.

Aspiration Hazard:

Not applicable.

Additional Toxicology Information:

Data not available.

SECTION 12: Ecological Information

12.1 Ecotoxicity

Component	EC50 Daphnia 1
Sodium tetraborate decahydrate	1085 mg/L
Propylene glycol	10000 mg/L

12.2 Persistence and Degradability

Data not available.

12.3 Bioaccumulative Potential

Data not available.

12.4 Mobility in Soil

Data not available.

12.5 Other Adverse Ecological Effects

Data not available.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Consult local, state, or national regulations to ensure proper disposal.

SECTION 14: Transportation Information

14.1 Transportation by Land-Department of Transportation (DOT, United States of America)

Not regulated according to DOT Regulations.

SECTION 15: Regulatory Information

15.1 Occupational Safety and Health Administration (OSHA) Hazards

Not listed.

Safety Data Sheet

- 15.2 Superfund Amendments and Reauthorization Act (SARA) 302 Extremely Hazardous Substances**
Not listed.
- 15.3 Superfund Amendments and Reauthorization Act (SARA) 311/312 Hazardous Chemicals**
Not listed.
- 15.4 Superfund Amendments and Reauthorization Act (SARA) 313 Toxic Release Inventory (TRI)**
Not listed.
- 15.5 Massachusetts Right-to-Know Substance List**
Not listed.
- 15.6 Pennsylvania Right-to-Know Hazardous Substances**
Not listed.
- 15.7 New Jersey Worker and Community Right-to-Know Components**
Not listed.
- 15.8 California Proposition 65**
Not listed.
- 15.9 Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)**
Propylene glycol Listed. Sodium tetraborate decahydrate listed.
- 15.10 United States of America Toxic Substances Control Act (TSCA) List**
Propylene glycol Listed.
- 15.11 European Inventory of Existing Commercial Chemical Substances (EINECS), European List of Notified Chemical Substances (ELINCS), and No Longer Polymers (NLP)**
Not listed.

SECTION 16: Other Information

16.1 Miscellaneous Hazard Classes

Canadian Carcinogenicity Hazard Class: Not Applicable.

Physical Hazards Nor Otherwise Classified (PHNOC): Not Applicable.

Health Hazards Not Otherwise Classified (HHNOC): Not Applicable.

Biohazardous Infectious Materials Hazard Class: Not Applicable.

16.2 Hazardous Materials Identification System (HMIS) Rating

Chemical Name	
Health	1
Flammability	1
Physical Hazard	1
Personal Protection	E

- 0 - Minimal Hazard
- 1 - Slight Hazard
- 2 - Moderate Hazard
- 3 - Serious Hazard
- 4 - Severe Hazard

16.3 Document Revision

Last Revision Date: 06/10/2021



Safety Data Sheet

DISCLAIMER

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and VAN LONDON COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.