

# Vernier Software & Technology

## Material Safety Data Sheet (MSDS)

### Section 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Calcium Chloride solution (CaCl<sub>2</sub>)

Standard Solution (1000 mg/L as Ca<sup>2+</sup>) for Vernier Calcium Ion Selective Electrode

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### Section 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Calcium Chloride (10035-04-8) ~0.1 % (1000 mg/L as Ca<sup>2+</sup>), Water (7732-18-5) ~ 99.9%  
CAS#: None established

Colorless liquid. Odorless.

Substance not considered hazardous. However, not all health aspects of this substance have been thoroughly investigated.

### Section 4 — FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Give large quantities of water. Call a physician if condition does not improve.

### Section 5 — FIRE FIGHTING MEASURES

Non-flammable non-combustible liquid

NFPA Code: None established

### Section 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area and ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. See Sections 8 and 12 for further information.

### Section 7 — HANDLING AND STORAGE

Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates.

### Section 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.

### Section 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless liquid. Odorless.  
Concentration: 1000 mg/L as Ca<sup>2+</sup>

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**Section 10 — STABILITY AND REACTIVITY**

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Shelf life: Good

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**Section 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: N.A.

ORL-RAT LD50: N.A.

Target organs: N.A.

SKN-RBT LD50: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

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**Section 12 — ECOLOGICAL INFORMATION**

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Data not yet available

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**Section 13 — DISPOSAL CONSIDERATIONS**

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Please consult with state and local regulations.

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**Section 14 — TRANSPORT INFORMATION**

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Shipping Name: Not regulated

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Hazard Class: N/A

UN Number: N/A

N/A = Not applicable

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**Section 15 — REGULATORY INFORMATION**

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Not listed

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**Section 16 — OTHER INFORMATION**

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