

Vernier Software & Technology

Material Safety Data Sheet (MSDS)

Section 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Sodium Nitrate solution (NaNO₃)

Standard Solution (1 mg/L NO₃⁻ as N) for Vernier Nitrate Ion Selective Electrode

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Section 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Sodium Nitrate (7631-99-4) ~0.0001 % (1 mg/L NO₃⁻ as N), Water (7732-18-5) ~99.9999%
CAS#: None established

Section 3 — HAZARDS IDENTIFICATION

Corrosive 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: Rinse out mouth, give 1 to 2 cups of water or milk, induce vomiting. Call a physician or poison control at once.

Section 5 — FIRE FIGHTING MEASURES

Non-flammable non-combustible liquid

NFPA Code: None established

Section 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Use caution with spill. Contain spill with sand or absorbent material, deposit in sealed bag or container. See Sections 8 and 13 for further information.

Section 7 — HANDLING AND STORAGE

Store with amides, nitrates and nitrites.

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

Section 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless liquid. Odorless.

Concentration: 1 mol/L NaNO₃ in H₂O

Shelf life: Indefinite

Section 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant

ORAL-RAT LD50: 3236 mg/kg as sodium nitrate

Target organs: Blood, central nervous system

SKIN-RAT TD50: N/A

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

Section 12 — ECOLOGICAL INFORMATION

Data not yet available

Section 13 — DISPOSAL CONSIDERATIONS

Section 14 — TRANSPORT INFORMATION

Shipping Name: Not regulated

Hazard Class: N/A

UN Number: N/A

N/A = Not applicable

Section 15 — REGULATORY INFORMATION

Not listed

Section 16 — OTHER INFORMATION

This Material Safety Data Sheet (MSDS) is for guidance and is based up information and tests believed to be reliable. Vernier Software & Technology makes no guarantee of the accuracy or completeness of the data and shall

requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by

Software & Technology, and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT

DISPOSAL OF THIS PRODUCT(S).

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