



Material Safety Data Sheet (MSDS)

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Sodium nitrate solution (NaNO_3)

Standard solution (20 mg/L NO_3^- as N) for sensor

360 Yield Center

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SECTION 2: HAZARD IDENTIFICATION

Colorless, odorless liquid.

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

SECTION 3: COMPOSITION, INFORMATION ON INGREDIENTS

Sodium nitrate (7631-99-4) ~0.002% (20 mg/L NO_3^- as N), water (7732-18-5) ~99.998%

CAS#: none established

SECTION 4: FIRST-AID MEASURES

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

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

Eyes: 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, and induce vomiting. Call a physician or poison control center at once.

SECTION 5: FIREFIGHTING MEASURES

Nonflammable, noncombustible liquid

NFPA code: none established

SECTION 6: ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from entering area and ventilate area. 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.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Colorless, odorless liquid.

Concentration: 20 mg/L NO₃⁻ as N

SECTION 10: STABILITY AND REACTIVITY

Shelf life: indefinite

SECTION 11: TOXICOLOGICAL INFORMATION

Acute effects: irritant

ORL-RAT LD50: 3,236 mg/kg as sodium nitrate

Chronic effects: N/A

IHL-RAT LC50: N/A

Target organs: blood, central nervous system

SKN-RBT LD50: 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

Please consult with state and local regulations.

SECTION 14: TRANSPORTATION 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

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