

### Sodium Nitrate Safety Data Sheet (SDS)

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Nitrate

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261 Chemtrec Emergency Phone Number: (800) 424-10337

#### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Oxidizing solids (Category 3). May intensify fire; oxidizer (H272). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).

Hazard class: Eye irritation (Category 2A). Causes serious eye irritation (H319).

#### SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium nitrate	7631-99-4	NaNO <sub>3</sub>	84.99	
Synonyms: Chile saltpeter				

#### SECTION 4 - FIRST AID MEASURES

If exposed or concerned: Get medical advice or attention (P308+P313).

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing,

If on skin: Rinse cautiously with water for several minutes (P351).

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell (P301+P330+P312).

## SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

Strong oxidizer. Fire and explosion risk when in contact with combustible materials. When heated to decomposition, may emit toxic fumes. In case of fire: Use a tri-class dry chemical fire extinguisher.

# SECTION 6 — ACCIDENTAL RELEASE MEASURES

Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

#### SECTION 7 - HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #3. Store with amides, nitrates, nitrites and azides.

Store in a cool dry place. Keep away from combustible materials (P220). Take any precautions to avoid mixing with combustibles (P221).

#### SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, eye protection, and face protection (P280). Wash hands thoroughly after handling (P264).

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Colorless transparent crystals. Odorless.

Soluble: Water and glycerol. Slightly in alcohol.

#### SECTION 10 - STABILITY AND REACTIVITY

Avoid contact with strong reducers, strong acids, combustible materials, finely powdered metals, friction and shock. Shelf life: Indefinite, if stored properly.

#### SECTION 11 - TOXICOLOGICAL INFORMATION

Acute effects: Toxic, irritant.	ORL-RAT LD <sub>50</sub> : 1267 mg/kg
Chronic effects: Anemia, methemoglobinemia, nephritis.	IHL-RAT LC50: N.A.
Target organs: Blood, central nervous system.	SKN-RBT LD50: N.A.

# SECTION 12 - ECOLOGICAL INFORMATION

Data not yet available.

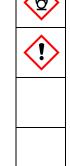
#### SECTION 13 - DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding Flinn Suggested Disposal Method #26b is one option.

Save SDS to Your Library

Pictograms

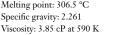
Signal Word



# NFPA Code

None established

Boiling point: 380 °C (decomposes) Melting point: 306.5 °C Specific gravity: 2.261 Viscosity: 3.85 cP at 590 K



WARNING

Shipping name: Sodium nitrate. Hazard class: 5.1, Oxidizer. UN number: UN1498. Packing group: III

#### SECTION 15 - REGULATORY INFORMATION

TSCA-listed, EINECS-listed (231-554-3), RCRA code D001.

#### SECTION 16 — OTHER INFORMATION

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 $\rm N.A.$  = Not available, not all health aspects of this substance have been fully investigated.  $\rm N/A$  = Not applicable

Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

Revision Date: July 17, 2015