

2-14-2022: File reviewed; more current MSDS/SDS not available. JMC

## Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Nitrite

Signal Word  
**DANGER**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-10339

Pictograms

### 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 and inhalation (Category 3). Toxic if swallowed or inhaled (H301+H331). Do not eat, drink or smoke when using this product (P270). Avoid breathing dust or fumes (P261).



### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium nitrite	7632-00-0	NaNO <sub>2</sub>	69	

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

**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:** Wash with plenty of water.

**If swallowed:** Rinse mouth. Immediately call a POISON CENTER or physician (P301+P330+P310).

### SECTION 5 — FIRE FIGHTING MEASURES

Flammable 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.

NFPA Code

None established

### 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.

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## SECTION 7 — HANDLING AND STORAGE

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Flinn Suggested Chemical Storage Pattern: Inorganic #3. Store with amides, nitrates, nitrites and azides. Hygroscopic. Store in a cool dry place within a Flinn Chem-Saf™ bag, and lock up in a poison cabinet. Keep away from combustible materials (P220). Take any precautions to avoid mixing with combustibles (P221). Keep container tightly closed (P233). Use only in a hood or well-ventilated area (P271).

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## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling. Use only in a hood or well-ventilated area (P271). Wear respiratory protection (P284).

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## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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White or very slightly yellowish crystals or powder.	Melting point: 271 °C [ $>320$ °C (decomposes)]
Odorless.	pH: Basic
Soluble: Water. Slightly in alcohol.	Specific gravity: 2.17

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## SECTION 10 — STABILITY AND REACTIVITY

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Avoid contact with strong reducers, finely powdered metals, combustible materials, and strong acids. Shelf life: Indefinite, but hygroscopic. See Section 7 for further information.

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## SECTION 11 — TOXICOLOGICAL INFORMATION

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Acute effects: Toxic, irritant.	ORL-RAT LD <sub>50</sub> : 180 mg/kg
Chronic effects: Possible mutagen.	IHL-RAT LC <sub>50</sub> : 5500 ug/m <sup>3</sup>
Target organs: Blood, cardiovascular system.	SKN-RBT LD <sub>50</sub> : N.A.

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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 review all federal, state and local regulations that may apply before proceeding. Flinn Suggested Disposal Method #12b is one option.

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## SECTION 14 — TRANSPORT INFORMATION

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Shipping name: Sodium nitrite. Hazard class: 5.1, Oxidizer. UN number: UN1500.

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## SECTION 15 — REGULATORY INFORMATION

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TSCA-listed, EINECS-listed (231-555-9), RCRA code D001.

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## SECTION 16 — OTHER INFORMATION

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

N/A = Not applicable

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

**Revision Date:** March 21, 2014

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