

Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Sodium Cobaltinitrite

Signal Word
DANGER

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

Chemtrec Emergency Phone Number: (800) 424-10316

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Oxidizing solids (Category 2). May intensify fire; oxidizer (H272). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).



Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2B). Causes skin and eye irritation (H315+H320).



Hazard class: Sensitization, skin and respiratory (Category 1). May cause an allergic skin reaction or asthma symptoms or breathing difficulties if inhaled (H317+H334). Avoid breathing dust or fumes (P261).



SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium cobaltinitrite	13600-98-1	Na ₃ Co(NO ₂) ₆	403.96	
Synonyms: Sodium hexanitrocobaltate(III)				

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 (P304+P340).

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).

If on skin: Wash with plenty of water (P302+P352). Wash contaminated clothing before reuse (P363).

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

NFPA Code

Strong oxidizer. Fire and explosion risk when in contact with combustible materials. When heated to decomposition, may emit toxic fumes.

None established

In case of fire: Use a tri-class dry chemical fire extinguisher (P370+P378).

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. Use only in a hood or well-ventilated area (P271).

Aqueous solutions will slowly decompose.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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

Contaminated work clothing should not be allowed out of the workplace (P272). Use only in a hood or well-ventilated area (P271). In case of inadequate ventilation, wear respiratory protection (P285).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Yellow to brownish-yellow crystals or powder.

Medicine-like

odor.

Soluble: Water. Slightly in alcohol.

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong acids, organic material, reducers, amines, heat, open flame, or any source of ignition. Mineral acids cause decomposition.

Shelf life: Indefinite, if stored properly. Aqueous solutions will slowly decompose.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Toxic, irritant, sensitizer, coughing, chest pains, difficulty breathing, GI disturbances. Target organs: Lungs, heart, nerves, blood, thyroid
ORL-RAT LD₅₀: N.A.

Chronic effects: Asthma, lung irritation, benign pneumoconiosis, neurotoxic effects, convulsions, cyanosis. IHL-RAT LC₅₀: N.A.
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 #27f is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

SECTION 15 — REGULATORY INFORMATION

EINECS-listed (237-077-7). RCRA code D001

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.

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