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

**MSDS Name:** Sodium Cobaltinitrite

**Catalog Numbers:**
- S280 100, S280 100, S280 100, S280 100, S80178

**Synonym:** Cobaltinitrite, friedelite

**Company Information:** Fisher Scientific
- 1 Reagent Lane
- Fairlawn, NJ 07410

**Emergency Phone:**
- For information: 201-798-7100
- For CHEMTREC assistance: 800-424-9300

**SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS**

- **Name:** Sodium Cobaltinitrite
- **% EINECS®:** 99
- **CAS#:** 30200-98-1

**Hazard Symbols:** O

**Risk Phrases:**

**SECTION 3 - HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

- **Appearance:** Yellow to brown-red crystalline powder
- **Odor:** No odor detected
- **Flammable:** No
- **Fire Extinguishing Media:** Water, dry chemical, carbon dioxide or chemical foam

**Autoignition Temperature:** Not available
**Flash Point:** Not available
**NFPA Rating:** Not published
**Explosion Limits:** Lower: Not available, Upper: Not available

**SECTION 4 - FIRST AID MEASURES**

**Eyes:**
- Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally lift the upper and lower lids. Get medical aid immediately.

**Skin:**
- Get medical aid immediately. Wash skin in soap and water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:**
- If victim is conscious and alert, give 2–4 cups of milk or water. Get medical aid immediately.

** Inhalation:**
- Get medical aid immediately. Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen.

**Notes to Physician:** The use of antidotal treatment for cobalt exposure should be determined only by qualified medical personnel.

**SECTION 5 - FIRE FIGHTING MEASURES**

**General Information:**
- In any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent, and full protective gear. Combustion generates toxic fumes.

**Extinguishing Media:**
- For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

**Autoignition Temperature:** Not available
**Flash Point:** Not available
**NFPA Rating:** Not published

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**
- Sweep up, then place into a suitable container for disposal. Avoid generating dust in toxic conditions.

**SECTION 7 - HANDLING AND STORAGE**

**Handling:**
- Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale.

**Storage:**
- Store in a cool, dry, well-ventilated area away from incompatible substances.

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

**Engineering Controls:**
- Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

**Personal Protective Equipment**

**Eyes:**
- Wear appropriate protective eyewear or chemical safety goggles as specified by OSHA's eye and face protection regulations in 29 CFR 1910.133.

**Skin:**
- Wear appropriate gloves to prevent skin exposure.

**Respirators:**
- Follow the OSHA respirator regulations found in 29 CFR 1910.134. Always use a NIOSH approved respirator when necessary.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Solid
**Appearance:** Yellow to brown-red crystalline powder
**Odor:** None reported
**pH:** Not available
**Vapor Pressure:** Not available
**Vapor Density:** Not available
**Evaporation Rate:** Not available
**Vapor Pressure:** Not applicable
**Freezing/Melting Point:** Not applicable
**Decomposition Temperature:** Not available
**Solubility:** Soluble in water
**Specific Gravity/Density:** Not available
**Molecular Formula:** C_{2}Co_{2}H_{10}N_{3}
**Molecular Weight:** 493.9356

**SECTION 10 - STABILITY AND REACTIVITY**

---

[Blank Page]
Chemical Stability:
Stable under normal temperatures and pressures.

Conditions to Avoid:
High temperatures, incompatible materials.

Incompatibilities with Other Materials:
Amines, organic materials, reducing agents, strong acids, strong oxidizers.

Hazardous Decomposition Products:
Nitrogen oxides.

Hazardous Polymerization: Has not been reported.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTCE#:
G9480000

LD50/LL50:
Not available.

Carcinogenicity:
Sodium Cobaltinitrate - California: carcinogen, as undefined **
IARC: Group 2B carcinogen (listed as undefined **)

Epidemiology:
No information available.

Teratogenicity:
Specific Developmental Abnormalities: Congenital, intraperitoneal
mouse TDL-50mg/kg.

Reproductive Effects:
No information available.

Mutagenicity:
Please refer to RTCE# G9480000 for specific information.

Other Studies:
None.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Ecotoxicity:
No information available.

Environmental Fate:
No information reported.

Physical/Chemical:
No information available.

Other:
Not available.

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Disposal of in a manner consistent with federal, state, and local regulations.
RCRA D-Series Maximum Concentration of Contaminants: Not listed.
RCRA U-Series Chronic Toxicity Reference Levels: Not listed.
RCRA P-Series: Not listed.
RCRA F-Series: Not listed.
RCRA U-Series: Not listed.
Not listed as a material banned from land disposal according to RCRA.

**** SECTION 14 - TRANSPORT INFORMATION ****

US DOT:
No information available.

IMO:
No information available.

IATA:
No information available.

RID/ADR:
No information available.

Canadian TDG:
No information available.

**** SECTION 15 - REGULATORY INFORMATION ****

A. Federal

TSCA:
CAS# 13690-98-1 is not listed on the TSCA inventory. It is for research and development use only.

Health & Safety Reporting List:
None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules:
None of the chemicals in this product are under a Chemical Test Rule.

Section 12b:
None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule:
None of the chemicals in this material have a SNUR under TSCA.

SARA:
Section 302 (RO)
None of the chemicals in this material have an RO.

Section 302 (TPQ)
None of the chemicals in this product have a TPQ.