



# Material Safety Data Sheet

Revision date: 01-Dec-2005

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Catalog Number:** 218187  
**Product name:** POTASSIUM COBALTINITRITE  
**Synonyms:** Potassium Hexanitrocobaltate (III); Cobaltic Potassium Nitrite

**Supplier:** MP Biomedicals, LLC  
Parc d'Innovation  
BP 50067  
67402 ILLKIRCH CEDEX  
France

**Emergency telephone number:** "n° ORFILA" (01-45-42-59-59)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	EC No.	Classification	Notes	Annex No.:
POTASSIUM COBALTINITRITE	N/A	> 25%	--	--	--	--

## 3. HAZARDS IDENTIFICATION

### Indication of Danger:

No declaration according to 67/548/EWG

## 4. FIRST AID MEASURES

**General advice:** In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Inhalation:** Move to fresh air. Call a physician immediately.

**Skin contact:** Rinse immediately with plenty of water and seek medical advice

**Ingestion:** Do not induce vomiting without medical advice.

**Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Use dry chemical, CO <sub>2</sub> , water spray or "alcohol" foam
<b>Specific hazards:</b>	Burning produces irritant fumes.
<b>Special protective equipment for firefighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
<b>Flash point:</b>	Not determined
<b>Autoignition temperature:</b>	Not determined

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Use personal protective equipment.
<b>Environmental precautions:</b>	Prevent product from entering drains.
<b>Methods for cleaning up:</b>	Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

<b>Storage:</b>	ROOM TEMPERATURE
<b>Handling:</b>	Use only in area provided with appropriate exhaust ventilation.
<b>Safe handling advice:</b>	Wear personal protective equipment.
<b>Incompatible products:</b>	Oxidising and spontaneously flammable products

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering measures:</b>	Ensure adequate ventilation.
<b>Respiratory protection:</b>	Breathing apparatus needed only when aerosol, vapor or dust is formed.
<b>Skin and body protection:</b>	Usual safety precautions while handling the product will provide adequate protection against this potential effect.
<b>Eye protection:</b>	Safety glasses with side-shields
<b>Hand protection:</b>	Gloves

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and Odor</b>	Off-white
<b>Physical state:</b>	Solid
<b>Formula:</b>	CoK <sub>3</sub> N <sub>6</sub> O <sub>12</sub>
<b>Molecular weight:</b>	452.2362
<b>Melting point/range:</b>	200°C
<b>Boiling point/range:</b>	No Data available at this time.
<b>Density:</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Solubility (in water):</b>	Soluble
<b>Flash point:</b>	Not determined
<b>Autoignition temperature:</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Polymerization:</b>	None under normal processing.
<b>Hazardous decomposition products:</b>	Nitrogen oxides (NOx)/ammonia/CN- , Potassium oxides (K <sub>2</sub> O)
<b>Materials to avoid:</b>	Strong oxidising agents
<b>Conditions to avoid:</b>	Exposure to air or moisture over prolonged periods.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Acute toxicity

Components	RTECS Number:	Selected LD50s and LC50s
POTASSIUM COBALTINITRITE	Not Available	Not Determined

<b>Chronic toxicity:</b>	Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.
<b>Local effects:</b>	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
<b>Specific effects:</b>	May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.
<b>Primary irritation:</b>	No data is available on the product itself.
<b>Carcinogenic effects:</b>	No data is available on the product itself.
<b>Mutagenic effects:</b>	No data is available on the product itself.
<b>Reproductive toxicity:</b>	No data is available on the product itself.

## 12. ECOLOGICAL INFORMATION

<b>Mobility:</b>	No data available
<b>Bioaccumulation:</b>	No data available
<b>Ecotoxicity effects:</b>	No data available
<b>Aquatic toxicity:</b>	May cause long-term adverse effects in the aquatic environment.

Components	U.S. DOT - Appendix B - Marine Pollutan	U.S. DOT - Appendix B - Severe Marine Pollutants	United Kingdom - The Red List:
POTASSIUM COBALTINITRITE	Not Listed	Not Listed	Not Listed

Components	Germany VCI (WGK)	World Health Organization (WHO) - Drinking Water	Ecotoxicity - Fish Species Data
POTASSIUM COBALTINITRITE	Not Listed	Not Listed	Not Listed

Components	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data	Ecotoxicity - Water Flea Data
POTASSIUM COBALTINITRITE	Not Listed	Not Listed	Not Listed

Components	EPA - ATSDR Priority List	EPA - HPV Challenge Program Chemical List	California - Priority Toxic Pollutants
POTASSIUM COBALTINITRITE	Not Listed	Not Listed	Not Listed

Components	California - Priority Toxic Pollutants	California - Priority Toxic Pollutants
POTASSIUM COBALTINITRITE	Not Listed	Not Listed

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:**

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

**Contaminated packaging:**

Do not re-use empty containers

### 14. TRANSPORT INFORMATION

**UN/Id No:**

Not a dangerous good.

**ADR/RID****Proper shipping name:**

Not Regulated

**IMDG/IMO****Proper shipping name:**

Not Regulated

**ICAO/IATA****Proper shipping name:**

Not Regulated

### 15. REGULATORY INFORMATION

**Indication of Danger:**

No declaration according to 67/548/EWG

Components	EU EINECS List -	Germany TA-Luft List - Section	Germany VCI (WGK)	Switzerland Giftliste:
POTASSIUM COBALTINITRITE	Not Present	Not Listed	Not Listed	Not Listed

**Classification according to VbF: -**

### 16. OTHER INFORMATION

**Prepared by:** Health & Safety

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**End of Safety Data Sheet**