

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-71/71-48-7.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
71-48-7  
**Code:**  
M

**RTECS:**  
AG3150000  
**Code:**  
M

**Name:**  
COBALT ACETATE (IARC - GROUP 2B) \*94-4\*

**Other REC Limits:**  
N/K

**OSHA PEL:**  
0.05 MG/CUM  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
0.05 MG/CUM  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
WEAR AN APPROVED HEPA PARTICULATE MASK WHENEVER UNCONTROLLED DUST EXPOSURE IS LIKELY.

**Ventilation:**  
MECHANICAL/LOCAL EXHAUST: USE IN HOOD.

**Protective Gloves:**  
WATERPROOF

**Eye Protection:**  
SPLASH GOGGLES

**Other Protective Equipment:**  
Equipment ACID PROOF APRON W/SLEEVES, LAB COAT, CLOSED SHOES, SAFEETY SHOWER, EYE WASH.

**Work Hygienic Practices:**  
N/K

**Supplemental Safety and Health:**  
HEALTH CONT'D: COBALT-POISON/GASTROENTERITIS/HEART FAILURE. IRON-POISON/DEATH FROM MULTI-ORGAN FAILURE >30 MG. LEAD/MANGANESE-POISONING. MERCURY-PULMONARY EDEMA. MOLYBDENUM-BONE/JOINT SYMPTOMS. NICKEL -SENSITIZER. NITRIC ACID/NITRATE-POISON/CORROSIVE. POTASSIUM-HYPERKALCEMIA. SILVER-SENSITIZATION.

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
YES

**IARC:**  
YES

**OSHA:**  
YES

**Health Hazards Acute And Chronic:**  
ARSENIC/BARIUM NITRATE/CADMIUM/COPPER/SELENIUM/THALLIUM/ZINC-POISON/DEATH. ALUMINUM NITRATE-CATHARTIC EFFECTS. POTASSIUM ANTIMONYL TARTRATE-CHRONIC/ACUTE ANTIMONY TOXICITY. BERYLLIUM-SENSITIZER/CHRONI C PULMONARY TOXIN. BORIC ACID-BORATE INTOXICATION. CHROMIUM-CORROSION/NON-HEALING ULCERATION. (SEE SUPP)

**Explanation Of Carcinogenicity:**  
SEE INGREDIENTS.

**Signs And Symptoms Of Overexposure:**  
VOMITING/DIARRHEA/DEHYDRATION/CRAMPS/PALLOR/SHOCK/COMA/PAIN/BURNING/SALIVATION/DILATED PUPILS/DIFFUSE RASH/FLUSHING/DEAFNESS/GOITER/SHORTNESS OF BREATH/ANKLE SWELLING/CYANOSIS/JAUNDICE/CONFUSION/HEADACHE/NUMBNESS/WEAKNESS/GAIT DISTURBANCE/UNSTEADYNESS/FEVER/CHILLS/GINGIVITIS/TREMOR/FATIGUE/COUGH/IRRITATION/REDNESS.

**Medical Cond Aggravated By Exposure:**  
ASTHMA, RENAL FAILURE, LIVER DISEASE, THYROID DISORDERS, CARDIAC DISEASE, PARKINSON'S DISEASE, GOUT, DERMATITIS.

**First Aid:**  
EYES/SKIN: FLUSH W/COPIOUS AMOUNTS OF WATER. INHALATION: GIVE MOIST OXYGEN. INGESTION: INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES. NOTE: BE CERTAIN TO SEND LABEL INFORMATION & MSDA W/PATIENT TO ASSIST IN EVALUATION & TREATMENT.

**Spill Release Procedures:**  
DRY MATERIAL: SWEEP/WET MOP/VACUUM. AVOID PRODUCTION OF DUST BY USING SWEEPING COMPOUND/HEPA FILTERED VACUUM EQUIPMENT.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
DISPOSE OF AS HAZARDOUS WASTE DUE TO METALS COMPONENT IN AN APPROVED HAZARDOUS CHEMICAL WASTE FACILITY IAW/FEDERAL, STATE & LOCAL REGULATIONS.

**Handling And Storage Precautions:**  
N/K

**Other Precautions:**  
AVOID INHALATION/HEATING OF DRIED MATERIAL.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/K

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A 7

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
NONE

**Fire Fighting Procedures:**  
NONE

**Unusual Fire/Explosion Hazard:**  
NONE

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
212-213.8F

**Melt /Freeze Pt:**

**M.P/F.P Text:**  
N/K

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
23.7

**Vapor Density:**  
>1

**Volatile Org Content %:**

**Spec Gravity:**  
1

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P 8

**Evaporation Rate & Reference:**  
(WATER =1): 1

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
CLEAR LIQUID W/NO ODOR

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NONE

**Materials To Avoid:**  
NONE

**Hazardous Decomposition Products:**  
N/K

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NONE

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P