

FISHER SCIENTIFIC CO CHEMICAL DIV. -- SODIUM HEXANITROCOBALTATE -- 6810-00-262-8575
===== Product Identification =====

Product ID:SODIUM HEXANITROCOBALTATE

MSDS Date:12/27/1991

FSC:6810

NIIN:00-262-8575

MSDS Number: BPHZJ

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergen

cy Phone Num:201-796-7100 OR 201-796-7523

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

===== Composition/Information on Ingredients =====

Ingred Name:SODIUM HEXANITROCOLBALTATE

CAS:13600

-98-1
RTECS #:GF9480000
Fraction by Wt: >99%
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:LDLO 50 MG/KG (IPR-MOUSE)
Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: IRRITANT, CHRONIC
EXPOSURE-CONJUNTIVITIS. SKIN: IRRITATION, REDNESS, SENSITIZATION.
INHALATION: PULMONARY SENSITIZATION, FIBROGENIC DUST SYNDROME,
PNEUMOCONIOSIS. MAY CAUSE DAMAGE TO THRYOID G LAND. 20 MG/M3 OF
COBALT COMPOUND CONSIDERED IMMEDIATELY DANGEROUS. INGESTION: PAIN,
COMA, LIVER AND KIDNEY DAMAGE.
Effects of Overexposure:IRRITATION OF EYES, SKIN, MUCOUS MEMBRANES.
INHALATION OF LARGE CONCENTRATIONS OF DUST IS VERY DANGEROUS.
INGESTION MAY CAUSE DIARRHEA, HEADACHE, ABDOMINAL PAIN, VOMITING,
DIZZINESS, CONGESTIVE FAIL URE, NERVE DEAFNESS, JAUNDICE,
CONVULSIONS, THRYOID DYSFUNCTION, COMA.
Medical Cond Ag
gravated by Exposure:ANY DISORDERS OF THE MUCOUS
MEMBRANES, PULMONARY SYSTEM, KIDNEYS AND LIVER; DERMATITIS.

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First Aid Measures
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First Aid:EYES: FLUSH WITH WATER OR NORMAL SALINE FOR 15 MINUTES. SKIN:
REMOVE CONTAMINATED CLOTHING AND SHOES AND WASH WITH SOAP AND
WATER. INHALATION: REMOVE TO FRESH AIR; PERFORM CPR IF BREATHING
HAS STOPPE D. KEEP PERSON WARM AND RESTED. SEEK MEDICAL HELP.
INGESTION: REMOVE BY EMESIS AND MAIN
TAIN BLOOD PRESSURE AND AIRWAY.
MEDICAL PROFESSIONALS MAY WISH TO GIVE OXYGEN.

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Fire Fighting Measures
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Extinguishing Media:DRY CHEMICAL, CARBOND DIOXIDE, WATER SPRAY OR
REGULAR FOAM
Fire Fighting Procedures:MOVE CONTAINER AWAY FROM FIRE IF POSSIBLE.
USE WATER SPRAY, FOG, OR FOAM FOR LARGER FIRES. AVOID BREATHING
VAPORS AND DUSTS; KEEP UPWIND
Unusual Fire/Explosion Hazard:BE WARY OF DUST-AIR EXPLOSIVE POTENTIAL.
DECOMPOSITION

PRODUCTS INCLUDE TOXIC OXIDES OF NITROGEN.

===== Accidental Release Measures =====

Spill Release Procedures:NO SPECIAL PRECAUTIONS LISTED BY THE
MANUFACTURER
Neutralizing Agent:NONE LISTED

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY PLACE. KEEP
CONTAINER CLOSED.
Other Precautions:NONE LISTED

===== Exposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATORS MAY BE NEEDED TO MEET COBALT DUST
STANDARDS
Ventilation:LOCAL EXHAUST OR PROCESS CONTROL VENTILATION
Protective Gloves:IMPERVIOUS GLOVES
Eye Protection:SPLASH PROOF OR DUST-RESISTANT GOGGLES
Other Protective Equipment:EMERGENCY WASH FACILITIES
Work Hygienic Practices:WASH THOROUGHLY AFTER ANY EXPOSURE. LAUNDRY OR
DISCARD GROSSLY CONTAMINATED CLOTHING.
Supplemental Safety and Health
NOTE TO PHYSICIAN: CASES OF EXTREME POISONING CAN BE TREATED WITH
CALCIUM DISODIUM EDTA
TE AVAILABLE AS 5 ML AMPULES OF 20% SOLUTION.
GIVE 0.08-0.125 ML/KG IN 250ML 5% DEXTROSE INTRAVENOUSLY OVER A 1
TO 2 HOUR PERIOD. GIVE IN 5 DAY COURSES WITH 2 DAYS BETWEEN
COURSES. MONITOR URINE - CALL POISON CONTROL.

===== Physical/Chemical Properties =====

HCC:N1
Solubility in Water:SOLUBLE, DECOMPOSES
Appearance and Odor:YELLOW TO BROWNISH-YELLOW CRYSTALLINE POWDER

===== Stability and Reactivity Data =====

Stability Ind

icator/Materials to Avoid: YES

NONE KNOWN

Stability Condition to Avoid: NONE KNOWN

Hazardous Decomposition Products: TOXIC OXIDES OF NITROGEN

===== Disposal Considerations =====

Waste Disposal Methods: THE PRESENCE OF COBALT IN THIS COMPOUND MAY SUBJECT THE MATERIAL TO CLASSIFICATION AS A SPECIAL HAZARDOUS WASTE IN SOME STATES.

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