

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

Emergenc

y 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

===== Hazards Identification =====

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 THYROID 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, THYROID DYSFUNCTION, COMA.  
Medical Cond Agg  
ravated by Exposure:ANY DISORDERS OF THE MUCOUS  
MEMBRANES, PULMONARY SYSTEM, KIDNEYS AND LIVER; DERMATITIS.

===== First Aid Measures =====

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 MAINT  
AIN BLOOD PRESSURE AND AIRWAY.  
MEDICAL PROFESSIONALS MAY WISH TO GIVE OXYGEN.

===== Fire Fighting Measures =====

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 P

RODUCTS 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 Protectio

n: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. LAUNDER OR  
DISCARD GROSSLY CONTAMINATED CLOTHING.

Supplemental Safety and Health

NOTE TO PHYSICIAN: CASES OF EXTREME POISONING CAN BE TREATEDWITH  
CALCIUM DISODIUM EDETAT

E AVAILABLE AS 5 ML AMPULES OF 20% SOLUTION.

GIVE 0.08-0.125 ML/KG IN 250ML 5% DEXTROSE INTRAVENIOUSLY 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 Indi

cator/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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