

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-210/21041-93-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
21041-93-0
Code:
M
RTECS:

Code:
X
Name:
COBALT HYDROXIDE
Other REC Limits:
NONE RECOMMENDED
OSHA PEL:
NOT ESTABLISHED
Code:
M
OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
NOT NORMALLY REQUIRED.

Ventilation:
NOT REQUIRED.

Protective Gloves:
RUBBER

Eye Protection:
SAFETY GOGGLES

Other Protective Equipment:
Equipment RUBBER OR PLASTIC GARMENTS.

Work Hygienic Practices:
5 WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING PRIOR TO REUSE.

Supplemental Safety and Health:
NONE

Health Hazards Data

LD50LC50Mixture:
NOT KNOWN

Route Of Entry Inds - Inhalation:
NO

Skin:
YES

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
YES

OSHA:
YES 3

Health Hazards Acute And Chronic:
ACUTE: KOH-SKIN BURNS; NI,NI(OH)2,CD,CD(OH)2-POSSIBLE CONTACT DERMATITIS. CHRONIC:NI,NI(OH)2-SUSPECTED CARCINOGENS; CD,CD(OH)2-RENAL FAILURE, RESPIRATORY PROBLEMS.

Explanation Of Carcinogenicity:
CADMIUM & NICKEL COMPOUNDS ARE BOTH SUSPECTED HUMAN CARCINOGENS.

Signs And Symptoms Of Overexposure:
SORE THROAT,COUGHING,CORROSIVE TO SKIN,SERIOUS SKIN BURNS,CORROSIVE TO EYES,VOMITING,DIARRHEA.

Medical Cond Aggravated By Exposure:
NONE KNOWN.

First Aid:
EYES:IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: WASH WITH LARGE VOLUMES OF WATER. INGESTION: CONTACT A PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITIN G. INHALATION: REMOVE TO FRESH AIR. GETMEDICAL ATTENTION.

Spill Release Procedures:
WASH DOWN WITH WATER,NEUTRALIZE WITH CITRIC ACID.

Neutralizing Agent:
CITRIC ACID.

Waste Disposal Methods:
SEND TO A CERTIFIED HAZARDOUS WASTE DISPOSAL SITE.

Handling And Storage Precautions:
DO NOT BREAK OPEN BATTERY CASE. AVOID SKIN CONTACT WITH ELECTROLYTE. PROTECT EYES WHEN WORKING AROUND BATTERIES.

Other Precautions:
DO NOT INCINERATE. 4

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NONE

Autoignition Temp:

Autoignition Temp Text:
NONE

Lower Limits:
N/R

Upper Limits:
N/R

Extinguishing Media:
USE EXTINGUISHER SUITABLE FOR ELECTRICAL FIRES.

Fire Fighting Procedures:
WEAR NIOSH APPROVED SCBA.

Unusual Fire/Explosion Hazard:
IF INCINERATED, MAY GIVE OFF CADMIUM OXIDE FUMES, VAPORS OR DUST.

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/K

Melt/Freeze Pt:

M.P/F.P Text:
N/R

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
N/K

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/R

Solubility in Water:
N/R

Appearance and Odor:
24V BATTERY APPROX 9.6X10X10.3 INCHES.

Percent Volatiles by Volume:
N/R

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
N/R

Materials To Avoid:
N/R

Hazardous Decomposition Products:
SUBLIMES AS CADMIUM OXIDE AT 2800F. 6

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/R

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