

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

ACGIH STEL:

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

LD50/LC50 Mixture:

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 VOMITING. INHALATION: REMOVE TO FRESH AIR. GET MEDICAL 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:

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:

Vapor Text:

N/K

Vapor Density:

Vapor Text:

N/K

Volatile Org Content %:

Volatile Text:

N/K

Spec Gravity:

Spec Text:

N/K

VOC Pounds/Gallon:

VOC Text:

N/K

PH:

PH Text:

N/K

VOC Grams/Liter:

VOC Text:

N/K

Viscosity:

Viscosity Text:

N/P

Evaporation Rate & Reference:

Evaporation Rate Text:

N/R

Solubility in Water:

Solubility Text:

YES

Appearance and Odor:

24V BATTERY APPROX 9.6X10X10.3 INCHES.

Percent Volatiles by Volume:

Percent Volatiles Text:

N/R

Corrosion Rate:

Corrosion Rate Text:

N/K

Reactivity Data

Reactivity Indicator:

YES

Stability Condition To Avoid:

Stability Condition Text:

N/R

Materials To Avoid:

Materials To Avoid Text:

N/R

Hazardous Decomposition Products:

SUBLIMES AS CADMIUM OXIDE AT 2800F.

Hazardous Polymerization Indicator:

Hazardous Polymerization Text:

NO

Conditions To Avoid Polymerization:

Conditions To Avoid Text:

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

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