

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-100/10026-24-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
10026-24-1
Code:
M

RTECS:
GG3200000
Code:
M

Name:
COBALT SULFATE

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
0.05 MG C0/M3
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
0.05 MG C0/M3
Code:
M N/P

ACGIHSTEL:
EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem
Code:
1 ACGIH STEL:

Control Measures

Respiratory Protection:
USE NIOSH/MSHA APPROVED RESP.EYE PROT REQUIRED.DUST/MIST RESP,SUPPLIED-AIR RESP,SCBA,POWERED AIR-PURIF RESP W/DUST/MIST FILT,AIR-PURIF FULL-FACEPC RESP W/HEPF,SUPPLIED-AIR RESP W/FULL FACEPC OPERATED IN PRESS-DEMAND/+PRESS MODE,ETC.

Ventilation:
LOCAL EXHAUST REQUIRED TO MEET PERMISSIBLE EXPOSURE LIMITS (PEL).

Protective Gloves:
NITRILE, NEOPRENE, VINYL, LATEX GLOVES.

Eye Protection:
FACESHLD/SPLASHPROOF CHEM GOGG.

Other Protective Equipment:
Equipment DONT WEAR CONTACT LENSES.IMPERV BOOTS,APRON,PROT CLOTH AS REQUIRE BY JOB CONDITIONS.EYEWASH STATEION,SAF SHOWER,WASHFAC

Work Hygienic Practices:
LAUNDER CONTAMIN CLOTH BEF REUSE.WASH THOROUOGLHY AFT HNDLG.

Supplemental Safety and Health:
1ST AID:GIVE FLUIDS REPEATEDLY.NEVER GIVE ANYTHIN BY MOUTH IF UNCONSC.IN ALL CASES CALL IMMED EMERG MED SERV/POIS CNTRL CNTR/HOSP/DR/OPHTHALMOLOGIST.TIME IS VITALLY IMPORTANT.REMOVE FRM CONTAMIN AREA T O CLEAN QUIET VENTI AREA.CALM/REASSURE VICTIM.

Health Hazards Data

LD50LC50Mixture:
UNKNOWN

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
MAY CAUSE IRRIT EYES/SKIN/RESP TRACT.POSSIBLE CANCER/BIRTH DEFECTS HAZ.EYE:IRRIT,CORNEAL DMG POSSIBLE.SKIN:IRRIT,INFLAMM,DERM.INHAL:IRRIT RESP TRACT/LUNGS.INGEST:KIDNEY/LIVER DMG W/JAUNDICE,GI DMG,CHR ONIC:EROSION OF TEETH,BRONCHIAL IRRIT,CHRONIC COUGH,BRONCHIAL PNEU,CHRENOCI BRONCHITIS,GI DISTURBANCES,KIDNEY/LIVER DMG. 2

Explanation Of Carcinogenicity:
PER MSDS:CHEM LISTED AS CARCINOGEN/POT CARCINOGEN:NTP/IARC/OSHA/ACGIH:NO.

Signs And Symptions Of Overexposure:
EYE:BURN SENS,WATERING,INFLAMM,CONJ,CORNEAL DMG.SKIN:INFLAMM,DERM.INHAL:SNEEZE,COUGH,CHOKE,HEAD,DIZZ,WEAK,TIGHTNESS IN CHEST,AIR HUNGER.INGEST:BURNING PAIN IN MOUTH/THROAT/STOMACH,ABUNDANT SALIVATION, PAIN IN SWALLOW,INTENSE THIRST,NAU,VOMIT,STOM/AB CRAMPS,WEAK/RAPID PUSLE,SHOCK,INABLE TO URINATE,JAUN,AB LOW BLOOD PRESS

Medical Cond Aggravated By Exposure:
PRE-EXISTING RESP SYSTEM DISORDERS, PRE-SENSITIZATION TO COBALT, DERM, & OTHER SKIN DISORDERS. TARGET ORGANS:RESPIRATORY SYSTEM, SKIN, EYES, TEETH.

First Aid:
EYE:IMMED FLUSH W/PLENTY OF TEPID WATER FOR @LEAST 15MINS OPENING/MOVING EYES.SKIN:IMMED LFUSH W/PLENTY OF WATER FOR @LEAST 15MINS WHILE REMOVING CONTAMIN CLOTH/SHOES ASAP.INHAL:REMOVE TO FRESH AIR.LA Y VICTIM DOWN LEGS RAISED.LOOSEN TIGHT CLOTH.COVER W/BLANKET.NOT BREATH GIVE ART RESP.DIFF BREATH GIVE LOW PRESS OXY.INGEST:DO NOT INDUCE VOMIT.IMMED GIVE LG AMTS OF WATER ORMILK.VOMIT OCCURS (SUPPLE)

Spill Release Procedures:
NOTIFY FACILITY EMERG COORDNIATOR.DO NOT RELEASE INTO SOIL/SEWER/STREAM/POND/DRINKING WATER SOURCES.PROVIDE MAX VENTI.ELIMINATE ALL IGN SOURCES.WEAR PPE.CAREFULLY MOP UP/VAC.TRIPLE RINSE WATER INTO SU ITABLE PLASTIC CNTNR.FLUSH AREA W/PLENTY OF WATER.

Neutralizing Agent:
SODIUM BICARBONATE, SODA ASH/SLAKED LIME.

Waste Disposal Methods:
SHIP TO APPROVED TREATMENT/DISPOSAL FACILITY.DISPOSE OF ACCORDING TO LOC/STATE/FED REGS.EPA WASTE ID:D002.CERCLA,SARA TITL 3 TPQ RQ:>100000L/25000GALS.EXT HAZ SUB:SULPHURIC ACID.CONTAINS TOXIC CHEM:C OBALT CMPDS AS CO 9% & SULFURIC ACID 5%.

Handling And Storage Precautions:
USE BUDDY SYS WHEN WORKING W/CHEM.DO NOT GET IN EYE/SKIN/CLOTH.DO NOT BREATH VAP/MIST/GAS.USE W/ADEQ VENTI.KEEP CNTNR TIGHTLY CLSD IN UPRIGHT POSITION

Other Precautions:
STORE @50-90F AWAY FRM INCOMPATIBLE MATLS.PROTECT CNTNRS AGAINST SPILLAGE/PHYSICIAL DMG.DO NOT REMOVE/DEFACE CNTNR LABELS.TRIPLE RINSE CNTNR CLEAN BEF DISCARDING.PUT NOTHING ELSE IN THIS CNTNR.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NONE

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
NONE

Upper Limits:
NONE

Extinguishing Media:
ALL.

Fire Fighting Procedures:
WEAR FACESHLD/GOGG,IMPERV GLOVES,BOOTS,PROT CLOTH,NIOSH/MSHA APPROVED RESP PROT AS REQUIRED.RUNOFF FRM FIRE CNTRL WATER MAY CAUSE POLLUTION.DIKE SPILL FOR DISPO 3

Unusual Fire/Explosion Hazard:
EXCESSIVE HEAT MAY CAUSE CONTAINERS TO BURST & GENERATE CORROSIVE VAPORS.CONTACT W/METALS MAY GENERATE FLAMMMABLE HYDROGEN GAS.

Physical/Chemical Properties

HCC:
C1

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
>212F,>100C

Melt/Freeze Pt:

M.P/F.P Text:
<32F,<0C

Decomp Temp:

Decomp Text:
N/A

Vapor Pres:
N/A

Vapor Density:
N/A

Volatile Org Content %:

Spec Gravity:
1.197-1.207

VOC Pounds/Gallon:

PH: 1-2

VOC Grams/Liter:

Viscosity:
N/A

Evaporation Rate & Reference:
SLOWER THAN ETHYL ETHER

Solubility in Water:
COMPLETE

Appearance and Odor:
RED LIQUID, NO ODOR.

Percent Volatiles by Volume:
N/A

Corrosion Rate:
N/K 4

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NOT APPLICABLE

Materials To Avoid:
METALS, STRONG BASES, STRONG OXIDIZERS, NITRATES, PEROXIDES, ORGANIC COMPOUNDS.

Hazardous Decomposition Products:
H2, SOX, COBALT.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT APPLICABLE

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