

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-134/13422-51-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

13422-51-0

Code:

M

RTECS:

GG3820000

Code:

M

Name:

HYDROXOCOBALAMIN *95-1*

Other REC Limits:

N/K

OSHA PEL:

N/K

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

N/K

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

NIOSH APPROVED RESPIRATOR.

Ventilation:

LOCAL EXHAUST

Protective Gloves:

DISPOSABLE SURGICAL LATEX

Eye Protection:

SAFETY GOGGLES

Other Protective Equipment:

Equipment DISPOSABLE PROTECTIVE APPAREL

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:

N/K

Health Hazards Data

LD50/LC50 Mixture:

N/P

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

ITCHING, TRANSITORY EXANTHEMA, MILD TRANSIENT DIARRHEA, FEELING OF SWELLING OF ENTIRE BODY & ANAPHYLAXIS.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

ITCHING, TRANSITORY EXANTHEMA, MILD TRANSIENT DIARRHEA, FEELING OF SWELLING OF ENTIRE BODY & ANAPHYLAXIS.

Medical Cond Aggravated By Exposure:

N/K

First Aid:

INHALATION: REMOVE TO FRESH AIR. INGESTION: FLUSH MOUTH OUT W/WATER. SKIN: FLUSH AREA W/WATER. EYES: FLUSH W/WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

WEAR PERSONAL PROTECTIVE EQUIPMENT. VACUUM W/A VACUUM CLEANER HAVING A HIGH EFFICIENCY PARTICULATE (HEPA) FILTER. ABSORB LIQUID W/PAPER TOWELS. WIPE WORKING SURFACES TO DRYNESS, WASH W/SOAP & WATER.

Neutralizing Agent:

N/K

Waste Disposal Methods:

WASTE SHOULD BE DISPOSED OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:

N/K

Other Precautions:

AVOID ALL CONTACT & INHALATION OF DUST, FUMES, MISTS, &/VAPORS ASSOCIATED W/ THE PRODUCT.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

N/R

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

WATER SPRAY, CO₂, DRY CHEMICAL, FOAM AS APPROPRIATE FOR SURROUNDING FIRE & MATERIALS.

Fire Fighting Procedures:

USE SCBA & PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:

EMITS TOXIC FUMES.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

N/P

Boiling Point:

B/P Text:

N/R

Melt/Freeze Pt:

M.P/F.P Text:

N/K

Decomp Temp:

Decomp Text:

N/K

Decomp Temp:

Decomp Text:

N/K

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

N/A

Spec Gravity:

N/K

VOC Pounds/Gallon:

N/A

PH:

N/K

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

N/K

Solubility in Water:

MODERATE

Appearance and Odor:

CLEAR RED SOLUTION

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Conditions To Avoid Polymerization:

N/K

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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