

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-900/9001-78-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
9001-78-9
Code:
M
RTECS:

Code:
X
Name:
ALKALINE PHOSPHATASE
Other REC Limits:
N/K
OSHA PEL:
N/K (FP N)
Code:
M
OSHA STEL:

Code:

ACGIH TLV:
N/K (FP N)
Code:
M
ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
USE NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).
Ventilation:
NORM LAB VENT ADEQ UNLESS AEROSOLS ARE GENERATED. IF AEROSOLS ARE GENERATED, CONSULT W/YOUR SFTY & ENVIRON HLTH OFFICER.
Protective Gloves:
IMPERVIOUS GLOVES (FP N).
Eye Protection:
ANSI APPRVD CHEM WORKERS GOGGLES (FP N).
Other Protective Equipment:
Equipment ANSI APPROVED EMERGENCY EYEWASH AND DELUGE SHOWER (FP N). LAB COAT OR EQUIVALENT TO PREVENT SKIN CONTACT.

Work Hygienic Practices:
CONTACT LENSES SHOULD NOT BE WORN. WASH HANDS THOROUGHLY AFTER REMOVING GLOVES.
Supplemental Safety and Health:
USERS OF "L" VERSION OF HMIS SHOULD "LR" VERSION FOR ADDNL INFO (FP N). APPEAR/ODOR: CONC: CLEAR TO SLIGHTLY YELLOW LIQ; SAMPLE DILUENT: CLEAR LIQ; MAGNETIC PARTICLES: BROWNISH, SLURRED LIQ. PH: ALL C HEM REAGENTS: 8.0-8.4 @ 21C. SOL IN H*2O: ALL CHEM REAGENTS SOL EXCEPT FOR PARAMAGNETIC PARTICLES.

Health Hazards Data

LD50LC50Mixture:
NONE SPECIFIED BY MANUFACTURER.
Route Of Entry Inds - Inhalation:
YES
Skin:
YES
Ingestion:
YES
Carcinogenicity Inds - NTP:
NO
IARC:
NO
OSHA:
NO
Health Hazards Acute And Chronic:
ING 1/2:IRRIT TO MUC MEMB & UPPER RESP TRACT. COMPONENT OF MAGNETIC PARTICLES, SAMPLE DILUENT & CONJUGATE. ING 3:POTENTIALLY INFECTIOUS MATL IF SKIN PENETRATED &/OR MUC MEMB EXPOSED. HANDLE AS POTENTI ALLY INFECTIOUS MATLS 1/A/W LOC, STATE & FED REGS. COMPONENT OF MAGNETIC PARTICLES, SAMPLE DILUENT & (EFTS OF OVEREXP)
Explanation Of Carcinogenicity:
NOT RELEVANT.
Signs And Symptions Of Overexposure:
HLTH HAZ:CONJUGATE. ING 4/5:MICROBIOCID E PRESERVATIVE THAT IS CORR IN CONC FORM. CONC OF PROCLIN IN PROD IS NOT CORR, BUT IS EYE & SKIN IRRIT & MAY CAUSE SKIN SENSIT RXNS IN SUSCEPTIBLE PERS. COMPONENT OF MAGNETIC PARTICLES & SAMPLE DILUENT. ING 6:MAY REACT W/LEAD & COPPER PLUMBING TO FORM HIGHLY EXPLO METAL (ING 18)
Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.
First Aid:
EYES: WASH W/COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. CONTACT MEDICAL PERSONNEL. SKIN: WASH & RINSE AFFECTED AREA(S) THOROUGHLY W/SOAP & WATER. MAY CAUSE ALLERGIC SKIN REACTIONS. INGESTION: W ASH OUT MOUTH W/WATER. FOR THE OTHER SOLUTIONS, INDUCE VOMITING. CALL MD/LOCAL POISON CONTROL CENTER. INHALATION: REMOVE FROM EXPOSURE AREA TO FRESH AIR.
Spill Release Procedures:
12 ABSORB & PLACE IN SUITABLE WASTE CONTR. HUMAN-BASED MATL SPILLS SHOULD BE TREATED AS POTENTIALLY INFECTIOUS MATL & COVERED W/ABSORB MATL, FOLLOWED BY APPLICATION OF APPROP DISINFECTANT. USE UNIVERSAL PREC & GOOD CLINICAL LAB PRACT. (ING 17)
Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Methods:
DISPOSE OF WATER MATERIAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. CONTACT YOUR SAFETY AND ENVIRONMENTAL HEALTH OFFICER FOR DISPOSAL PROCEDURES.
Handling And Storage Precautions:
AVOID SPLASHING OR GENERATION OF AEROSOLS. CONSULT WITH YOUR SAFETY AND ENVIRONMENTAL HEALTH OFFICER. STORE AT 2-8C. AVOID FREEZING REAGENTS.
Other Precautions:
FOLLOW PROPER LABORATORY SAFETY GUIDELINES FOR CHEMICALS AND BIOLOGICALS. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT SUCH AS FACESHIELD, GLOVES, LAB COAT, ETC. REFER TO PRODUCT PACKAGE INSERT FOR ADDITIONAL PRODUCT INFORMATION.

Fire and Explosion Hazard Information

Flash Point Method:
N/P
Flash Point:

Flash Point Text:
N/A
Autoignition Temp:

Autoignition Temp Text:
N/A
Lower Limits:
N/A
Upper Limits:
N/A
Extinguishing Media:
WATER, CARBON DIOXIDE, DRY CHEMICAL OR ALCOHOL FOAM.
Fire Fighting Procedures:
WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).
Unusual Fire/Explosion Hazard:
MAY EMIT TOXIC FUMES UNDER FIRE CONDITIONS. COMBUSTION PRODUCTS: PRINCIPALLY CARBON, NITROGEN AND SULFUR OXIDES. NOT FLAMMABLE (EXCEPT PACKAGING MATERIALS). 13

Physical/Chemical Properties

HCC:

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/K
Decomp Temp:

Decomp Text:
N/K 14
Vapor Pres:
N/K
Vapor Density:
N/K
Volatile Org Content %:

Spec Gravity:
N/K
VOC Pounds/Gallon:

PH: SUPDAT
VOC Grams/Liter:

Viscosity:
N/P
Evaporation Rate & Reference:
N/K
Solubility in Water:
SOLUBLE
Appearance & Odor:
REAGENT PACKS:TRANSLUCENT SOLID CONTR W/LIQ IN 3-5 WELLS; CONJUGATE (SUP DAT)
Percent Volatiles by Volume:
N/K
Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES
Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.
Materials To Avoid:
NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:
NONE SPECIFIED BY MANUFACTURER.
Hazardous Polymerization Indicator:
NO
Conditions To Avoid Polymerization:
NOT RELEVANT.

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