

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-347/34722-90-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
34722-90-2
Code:
M

RTECS:

Code:
X

Name:
BROMOTHYMOL BLUE SODIUM SALT Environmental Wt:

Other REC Limits:
N/P

OSHA PEL:
N/P
Code:

OSHA STEL:
N/P
Code:

ACGIH TLV:
N/P
Code:

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation:
USE IN A WELL-VENTILATED AREA. 3

Protective Gloves:
IMPERVIOUS GLOVES (FP N).

Eye Protection:
ANSI APPROVED CHEM WORKERS GOGGS (FP N)

Other Protective Equipment:
Equipment EYE WASH FOUNTAIN &DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA (FP N).

Work Hygienic Practices:
WASH HANDS AFTER HANDLING &BEFORE EATING.

Supplemental Safety and Health:
PH:UNREACTED SOLN IN WATER IS ACIDIC-N/A. APPEAR/ODOR:AT PH OF APPROX 7. SPILL PROC:IS NEUTRALIZED, PH APPROX=7). WASTE DISP METH:BLUE):CITRIC ACID HAS BEEN NEUTRALIZED. AT THIS POINT SOLN CNTNS AMMONIUM CITRATE. FLUSHING W/EXCESS WATER TOSEWER IS REC. CHECK W/LOC SEWER AUTHS TO VERIFY ACCEPTABILITY OF THIS PRACTICE.

Health Hazards Data

LD50LC50Mixture:
NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:
NO

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
EYES:SEVERE IRRITATION:SIGNS/SYMPTOMS CAN INCLUDE REDNESS, SWELLING, PAIN, TEARING, CLOUDY APPEARANCE OF CORNEA, IMPAIRED VISION AND POSSIBLE PERMANENTLY IMPAIRED VISION. SKIN CONTACT:MODERATE IRRITATION:SIGNS/SYMPTOMS CAN INCLUDE REDNESS,SWELLING, ITCHING AND DRYNESS. INGESTION:IRRITATION OF (EFTS OF OVEREXP)

Explanation Of Carcinogenicity:
NONE LISTED.

Signs And Symptoms Of Overexposure:
HLTH HAZ:GASTROINTESTINAL TISSUES:SIGNS/SYMPTOMS CAN INCLUDE PAIN, VOMITING, ABDOMINAL TENDERNESS, NAUSEA, BLOOD IN VOMITUS AND BLOOD IN FECES. INHALATION:IRRITATION (UPPER RESPIRATORY):SIGNS/SYMPTOMS CAN INCLUDE SORENESS OF NOSE AND THROAT, COUGHING AND SNEEZING.

Medical Cond Aggravated By Exposure:
2 NONE SPECIFIED BY MANUFACTURER.

First Aid:
EYES:IMMEDIATELY FLUSH W/LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN:FLUSH W/LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INGEST:DRI NK TWO GLASSES OF WATER. CALL MD. INHAL:REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS CONTINUE, CALL MD.

Spill Release Procedures:
SWEEP/SHOVEL UP WASTE. FLUSH SPILL AREA W/WATER TO REMOVE RESIDUE. ENVIRON DATA:RXN OF SOLN OF THIS POWDER W/ANHYDROUS AMMONIA PRODUCES AMMONIUM CITRATE SALT. CITRIC ACID IS EXHAUSTED WHEN SOLN CHANGE S COLOR FROM YELLOW-ORANGE TO BLUE (SOLN (SUPDAT)

Neutralizing Agent:
SODA ASH OR OTHER BASE THAT WILL NEUTRALIZE CITRIC ACID.

Waste Disposal Methods:
DISP MUST BE I/A/W FED, STATE & LOC REGS (FP N). UNREACTED SOLN:NEUT W/SODA ASH/OTHER BASE THAT WILL NEUT CITRIC ACID BEFORE FLUSHING TO SEWER. CHECK W/LOC SEWER AUTHS TO VERIFY ACCEPTABILITY OF THIS PRACTICE. REACTED SOLN (COLOR CHANGES TO (SUPDAT)

Handling And Storage Precautions:
STORE AT ROOM TEMPERATURE. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:
AVOID EYE & SKIN CONTACT. AVOID BREATHING OF DUST.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NOT APPLICABLE

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A

Extinguishing Media:
WATER, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:
USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:
NOT APPLICABLE.

Physical/Chemical Properties

HCC:
C3

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/A

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/A

Vapor Density:
N/A

Volatile Org Content %:

Spec Gravity:
SEE ING 1

VOC Pounds/Gallon:

PH: SUPDAT

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
NOT APPLICABLE

Solubility in Water:
SEE INGREDIENT 1.

Appearance and Odor:
WHITE GRANULAR POWDER, ESSNTLY ODORLESS IN SOLN, CHANGES COLOR TO BLUE (SUPDAT)

Percent Volatiles by Volume:
NIL

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
STRONG BASES.

Hazardous Decomposition Products:
CARBON MONOXIDE &CARBON DIOXIDE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT RELEVANT 4

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