

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-722-7220-79-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

7220-79-3

Code:

M

RTECS:

SP5740000

Code:

M

Name:

3,7-BIS(DIMETHYLAMINO)-,CHLORIDE,TRIHYDRATE, METH

Other REC Limits:

N/K

OSHA PEL:

N/K

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

N/K

Code:

M N/P

ACGIH STEL:

EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem

Code:

1 ACGIH STEL:

Control Measures

Respiratory Protection:

DUST/MIST/AIR-PURIFYING/POWERED AIR-PURIFYING/TYPE C SUPPLIED-AIR RESPIRATOR W/HIGH-EFFICIENCY PARTICULATE FILTER/TIGHT-FITTING FULL FACEPIECE OPERATED IN PRESSURE DEMAND/POSITIVE PRESSURE MODE/HELMET /HOOD IN CONTINUOUS-FLOW MODE/SCBA.

Ventilation:

LOCAL EXHAUST/GENERAL DILUTION: TO KEEP BELOW EXPOSURE LIMITS.

Protective Gloves:

RECOMMENDED

Eye Protection:

SPLASH-PROOF/DUST-RESISTANT GOGGLES

Other Protective Equipment:

Equipment IMPERVIOUS PROTECTIVE CLOTHING & EQUIPMENT, EYE WASH FOUNTAIN

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES BEFORE REUSE.

Supplemental Safety and Health:

METHYLENE BLUE IS GIVEN ORALLY FOR MEDICAL TREATMENT.

Health Hazards Data

LD50/LC50 Mixture:

ORAL LD50 (RAT): 1180 MG/KG

Route Of Entry Inds - Inhalation:

NO

Skin:

NO

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

SKIN: IRRITATION/STAINS. EYE: CORNEAL/CONJUNCTIVAL INJURY. 1% SOLUTION MAY STING/CAUSE TEMPORARY STAIN/LACRIMATION. INGESTION: TOXIC/LARGE DOSES CAUSE HEINZ BODIES/HEMOLYSIS/MILD METHEMOGLOBINEMIA W/C YANOSIS/GASTROINTESTINAL & BLADDER IRRITANT/PARASYMPATHETIC RECEPTIVE SYSTEM DEPRESSION/ELEVATED TEMP BY CENTRAL ACTION.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

N/K

Medical Cond Aggravated By Exposure:

N/K

First Aid:

INHALATION: REMOVE TO FRESH AIR. IF BREATHING SS, PERFORM ARTIFICIAL RESPIRATION. KEEP WARM/AT REST. TREAT SYMPTOMATICALLY/SUPPORTIVELY. SKIN: WASH W/SOAP/MILD DETERGENT & PLENTY OF WATER FOR 15-20 MINS. EYE: FLUSH W/PLENTY OF WATER/NORMAL SALINE FOR 15-20 MINS. INGESTION: TREAT SYMPTOMATICALLY/SUPPORTIVELY. IF VOMITING OCCURS, KEEP HEAD LOWER THAN HIPS TO PREVENT ASPIRATION. OBTAIN MED ATTN.

Spill Release Procedures:

N/K

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

Handling And Storage Precautions:

AVOID CONTACT W/SKIN & EYES.

Other Precautions:

N/K

Fire and Explosion Hazard Information

Flash Point Method:

N/P 2

Flash Point:**Flash Point Text:**

N/K

Autoignition Temp:

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

DRY CHEMICAL, CO₂, WATER SPRAY, OR FOAM. FOR LARGER FIRES, USE WATER SPRAY, FOG, OR ALCOHOL FOAM

Fire Fighting Procedures:

USE AGENTS SUITABLE FOR TYPE OF SURROUNDING FIRE. AVOID BREATHING HAZARDOUS VAPORS, KEEP UPWIND. USE SCBA W/FULL FACEPIECE/SUPPLIED AIR RESPIRATOR.

Unusual Fire/Explosion Hazard:

N/K

Physical/Chemical Properties

HCC:**NRC/State LC No:****Net Prop WT For Ammo:**

N/K

Boiling Point:

N/K

B.P. Text:**Melt/Freeze Pt:**

N/K

M/P/F.P. Text:

N/K

Decomp Temp:

N/K

Decomp Text:

N/K

Vapor Pres:

N/K

Vapor Density:

N/K

Volatile Org Content %:

NO

Spec Gravity:

N/K

VOC Pounds/Gallon:

N/K

PH:

<7

VOC Grams/Liter:

N/K

Viscosity:

N/P

Evaporation Rate & Reference:

N/A

Solubility in Water:

4%

Appearance and Odor:

DARK GREEN CRYSTALS OR CRYSTALLINE POWDER W/BRONZE-LIKE LUSTER, ODORLESS.

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

N/K

Materials To Avoid:

ALKALIES, DICROMATES, ALKALI IODIDES, & REDUCING AGENTS

Hazardous Decomposition Products:

TOXIC & CORROSIVE FUMES OF CHLORIDES, & TOXIC OXIDES OF NITROGEN & SULFUR

Hazardous Polymerization Indicator:

NO

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

Information:**N/P**

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