

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-778/7782-50-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

7782-50-5

Code:

M

RTECS:

FO2100000

Code:

M

Name:

CHLORINE (SARA III)

Other REC Limits:

N/P

OSHA PEL:

(C) 1 PPM

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

0.5 PPM/1 STEL; 9293

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

FOR ESCAPE ONLY:NIOSH/MSHA-APPROVED CARTRIDGE TYPE.REENTER SEE SUPP.

Ventilation:

LOCAL EXHAUST OR MECHANICAL-SUFFICIENT TO MAINTAIN TLV.

Protective Gloves:

LEATHER OR RUBB

Eye Protection:

CHEM.SPLASH-PROOF GOGGLES

Other Protective Equipment:

Equipment SAFETY SHOWER,EYE-WASH FOUNTAIN

Work Hygienic Practices:

N/P

Supplemental Safety and Health:

SPECIAL FIRE FIGHTING PROCEDURES(CONTD):MOVE CONTAINERS AWAY FROM FIRE.IF THEY CANNOT BE MOVED,KEEP COOL WITH WATER SPRAY.NOTIFY FIRE-FIGHTING PERSONNEL CHLORINE CONTAINERS ARE IN AREA. 4

Health Hazards Data

LD50LC50Mixture:

N/P

Route Of Entry Inds - Inhalation:

N/P

Skin:

N/P

Ingestion:

N/P

Carcinogenicity Inds - NTP:

N/P

IARC:

N/P

OSHA:

N/P

Health Hazards Acute And Chronic:

N/P

Explanation Of Carcinogenicity:

N/P

Signs And Symptoms Of Overexposure:

2 INHALATION:COUGHING,SNEEZING,SHORTNESS OF BREATH.EYE IRRITATION,SKIN IRRITATION,DAMAGE TO TEETH

Medical Cond Aggravated By Exposure:

N/P

First Aid:

INHALATION:IMMEDIATELY REMOVE PATIENT FROM CONTAMINATED AREA;KEEP WARM & AT REST.EYE/SKIN CONTACT:IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES,WHILE REMOVING CONT.CLOTHING.SEE DOCTOR.THRM AT IRRIT:DRINK MILK.COUGHING:HOT COFFEE OR TEA

Spill Release Procedures:

EVACUATE ALL PERSONNEL IMMEDIATELY.ONLY TRAINED PERSONNEL WEARING NIOSH/MSHA-APPROVED,FULL FACE,SELF CONTAINED BREATHING APPARATUS BE PERMITTED TO RE-ENTER AREA.NEVER PUT H*20 ON A CL LEAK.DO NOT SPRAY NH*3 H*20 ON COPPER FTHS.REMOVE LKY CYS TO ISOLA

Neutralizing Agent:

N/P

Waste Disposal Methods:

NEUTRALIZE CHLORINE WITH 188 LBS OF CAUSTIC SODA & 60 GAL WATER & WITH 450 LBS OF SODA ASH & 150 GALS OF WATER.PLACE NEUTRALIZED MATERIAL IN A CLOSED CONTAINER & SHIP TO AN APPROVED DISPOSAL AREA

Handling And Storage Precautions:

STORE IN WELL-VENTILATED,FIRE-PROOF AREA AWAY FROM OTHER CONTAINERS.KEEP AWAY FROM HEAT & MOISTURE.NEVER PLUG A LEAKING CONT. IN WATER.PIPING CONT.FRE

Other Precautions:

USE ONLY DRY AIR(-40F DEN PT,MIN) OR OIL-FREE N*2 FOR PURGING,TESTING FOR LEAKS OR PADDING.PERSONNEL AT ALL TIMES CARRY A NIOSH/MSHA APPROVED CART.TYPICAL ESCAPE RESP,AVOID BREATH.GAS,USE VENTIL.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/A

Flash Point Text:

N/A

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A 3

Lower Limits:

N/A

Upper Limits:

N/A

Extinguishing Media:

N/P

Fire Fighting Procedures:

NIOSH/MSHA-APPROVED SELF-CONTAINED BREATHING APPARATUS

Unusual Fire/Explosion Hazard:

WILL SUPPORT COMBUSTION.REACTS READILY W/HYDROCARBONS,ALCOHOLS,ETHERS,& METALS,SOMETIMES W/EXPLOSION

Physical/Chemical Properties

HCC:

G7

NRC/State Lic No:

N/P

Net Prop WT For Ammo:

N/P

Boiling Point:

N/A

B.P. Text:

N/A

Melt/Freeze Pt:

N/A

M.P/F.P Text:

N/A

Decomp Temp:

N/A

Decomp Text:

N/A

Vapor Pres:

N/A

Vapor Density:

N/A

Volatile Org Content %:

N/A

Spec Gravity:

N/A

VOC Pounds/Gallon:

N/A

PH:

N/P

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

N/A

Solubility in Water:

N/A

Appearance and Odor:

APPEARANCE:YELLOW GAS, PUNGENT IRITATING ODOR

Percent Volatiles by Volume:

100

Corrosion Rate:

N/P

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/A

Upper Limits:

N/A

Extinguishing Media:

N/P

Fire Fighting Procedures:

NIOSH/MSHA-APPROVED SELF-CONTAINED BREATHING APPARATUS

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Vapor Pres:

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Vapor Density:

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Spec Gravity:

N/A

VOC Pounds/Gallon:

N/A

PH:

N/P

VOC Grams/Liter:

N/A