

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

ACGIHSTEL:
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 PERONNAL 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 Symptions 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.THRO AT IRRIT:DRINK MLK.COUGHING:HOT COFFEEOR 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 SPRA Y 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 NEUTRAL IZED 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.TYPE ESCAPE RESP;AVOID BREATH.GAS,USE VENTIL.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/A

Autoignition Temp:

Autoignition Temp Text:
N/A 3

Lower Limits:

Upper Limits:

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:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
-29.31F

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/A

Vapor Pres:
50

Vapor Density:
2.67

Volatile Org Content %:

Spec Gravity:
1.468

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
>1.0,ETHYL ETHER

Solubility in Water:
SLIGHT

Appearance and Odor:
GREENISH YELLOW GAS,PUNGENT IRRITATING ODOR

Percent Volatiles by Volume:
100

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HYDROCARBONS,ALCOHOLS,ETHER,NH*3,H*2,CONTACTS BE AVOIDED

Materials To Avoid:
HYDROCARBONS,ALCOHOLS,ETHER,NH*3,H*2,FINELY DIVIDED METALS

Hazardous Decomposition Products:
N/P

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/P 5

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