View NSN Online: https://aerobasegroup.com/nsn/6830-00-281-3464

Product ID:LIQUID CHLORINE

MSDS Date:10/30/1996

FSC:6830

NIIN:00-281-3464

MSDS Number: CCBZT === Responsible Party ===

Company Name: MILITARY SPECIFICATIONS PROMULGATED BY MILITARY

Address: DEPTS/AGENCIES UNDER AUTH OF DEFENSE STD

Box:MANUAL City:4120 3-M Country:US Preparer's N ame:HMIS-VBA CAGE:81349

=== Contractor Identification ===

Company Name: MILITARY SPECIFICATIONS PROMULGATED BY MILITARY

Address: DEPTS/AGENCIES UNDER AUTH OF DEF STD

Box:MANUAL City:4120 3-M

Phone:804-279-4371 DSN 695-4371

CAGE:81349

======= Composition/Information on Ingredients ========

Ingred Name: CHLORINE (SARA III)

CAS:7782-50-5

RTECS #:FO2100000 Fraction by Wt: 100%

Other REC Limits: NONE SPECIFIED

OSHA PEL:(C) 1 PPM

ACGIH TLV:0.5 PPM/1 STEL: 9293

EPA Rpt Qty:10 LBS

DOT Rpt Qty :10 LBS

============= Hazards Identification ========================

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic: INHALATION: SEVERE RESPIRATORY

IRRITATION, FEELING OF SUFFOCATION. SEVERE EXPOSURE MAY CAUSE PNEUMONITIS & PULMONARY EDEMA, DENTAL EROSION, REDUCED PULMONARY

OADAOITY INOCCUTIONALINI WELLY OVINLEDIDIO DI JOTEDO EVED. EVED. EVED.

CAPACITY. INGESTION:UNLIKELY. SKIN:BURNS,BL ISTERS. EYES: EXTREME

IRRITATION, BURNS. CHRONIC:>TLV, REDUCED

LUNG CAPACITY OR LUNG DAMAGE. Explanation of Carcinogenicity: NOT LISTED AS A CARCINOGEN BY NTP OR Effects of Overexposure: INHALATION: SEVERE RESPIRATORY IRRITATION, COUGHING, BURNING, CHEST PAIN, VOMITING, HEADACHE, ANXIETY & FEELING OF SUFFOCATION. SEVERE EXPOSURE PNEUMONITIS & PULMONARY EDEMA, DENTAL EROSION, REDUCED PULMONA RY CAPACITY. SKIN:BURNS, BLISTERS. EYES: EXTREME IRRITATION. BURNS. Medical Cond Aggravated by Exposure: PULMONARY DISORDERS. === First Aid Measures ============ First Aid:EYE:FLUSH W/WATER FOR 15 MIN. SEE PHYSICIAN IMMEDIATELY. SKIN:FLUSH W/WATER. INHALATION: REMOVE FROM EXPOSURE. ADMINISTER OXYGEN UNTIL BREATHING IS EASY. GET IMMEDIATE MEDICAL ATTENTION. INGESTED: UNLI KELY, NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE SEE DOCTOR.

Lower Limits:NONFLAMMABLE Upper Limits:NONFLAMMABLE

Extinguishing

Media:USE WATER TO KEEP CONTAINERS COOL & DIRECT AWAY FUMES. WEAR FULL PROTECTIVE CLOTHING. USE MEDIA FOR SURROUNDING FIRE.

Fire Fighting Procedures:REMOVE CONTAINERS FROM FIRE ZONE IMMEDIATELY, UNLESS LEAKING. TOW TANK CARS & BARGES FROM DANGER AREA. WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard: CONTAINERS WILL EXPLODE IN THE HEAT OF FIRE.

======== Accidental Release Measures ============

Spill Release Procedures:IF >10 LB (RQ),

REPORT SPILL. KEEP UPWIND &

VENTILATE AREA. WEAR FULL PROTECTIVE EQUIPMENT & SHUT OF LEAK AT SOURCE. CONTAIN LIQUID & PREVENT DISCHARGE TO STREAMS & SEWERS. CONTROL LOSS OF VOLITILES T O ATMOSPHERE. DO NOT APPLY WATER TO LEAK.

Neutralizing Agent: DILUTE SOLUTION OF SODABICARBONATE.

=========== Handling and Storage ================

Handling and Storage Precautions: STORE IN WELL VENTILATED AREA W/LOW FIRE POTENTIAL & AWAY FROM INCOMPATIBLES. KEEP AWAY FROM HE

AT &

SOURCE OF IGNITION. PROTECT FROM WEATHER & DAMAGE.

Other Precautions:AVOID INHALATION OF VAPORS & BODY CONTACT AS MOISTURE FORMS WEAK ACID. TRAIN WORKERS IN CHLORINE HANDLING. KEEP CHLORINE HANDLING SYSTEMS FREE OF ORGANICS, CLEAN, DRY & PROTECTED FROM FIRE.

====== Exposure Controls/Personal Protection ========

Respiratory Protection: USE NIOSH APPROVED ACID GAS CHEMICAL CARTRIDGE RESPIRATOR OR FULL FACE W/CANISTER. USE SUPPLIED AIR RESPIRATOR IN POSIT

IVE PRESSURE MODE FOLLOWING ANSI Z117-1977 FOR TANK & CONFINED SPACE ENTRY.

Ventilation: GENERAL OR LOCAL DEPENDING UPON THE LEVELS.

Protective Gloves: IMPERVIOUS (LATEX & RUBBER RECOMMENDED)

Eye Protection: CHEMICAL GOGGLES & FACE SHIELD

Other Protective Equipment:HIGH CONCENTRATIONS:FULL BODY PROTECTION.
LIGHT CONCENTRATIONS:TYVEC SUIT SEALED AT NECK, WRISTS, ANKLES IS
FUNCTIONAL.

Work Hygienic Practices: USE STRICT CHEMICAL HYGIENE PRACTICES. AVOID CONTACT IF AT ALL POSSIBLE. WASH

THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

DANGER! POISON GAS! HAZARDOUS LIQUID & GAS UNDER PRESSURE. MAY CAUSE CHEMICAL PHEUMONIA & DEATH IN HIGH CONCENTRATIONS. MAY CAUSE SEVERE IRRITATION TO EYES, SKIN & RESPIRATORY TRACT. LIQUID MAY BURN E YES & SKIN. CAN REACT EXPLOSIVELY W/ORGANIC PRODUCTS. TOXIC TO FISH. NSN FOR EMPTY CYLINDER IS 8120-00-285-4722.

	Ph	ysical/	/Chemic	al Pro	perties	
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HCC:G7

NRC/State Lic Num:NONE

Boiling Pt

:B.P. Text:-29F,-34C

Melt/Freeze Pt:M.P/F.P Text:-148F,-100C

Vapor Pres:2748 MM Vapor Density:2.4 Spec Gravity:1.4

Solubility in Water: 0.7%

Appearance and Odor:AMBER COLOR LIQUID, GREENISH-YELLOW GAS. PUNGENT IRRITATING ODOR.

Percent Volatiles by Volume:100

======== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES

REDUCING AGENTS, COMBUSTIBLE MATERIAL. KEEP AWAY FROM HYDROCARBONS, AMMONIA, HYDROGEN, ETHER, POWDERED METALS, SULFUR, ALUMINUM

Stability Condition to Avoid:AVOID RELEASING GAS. DO NOT PLACE NEAR HEAT/ FIRE. NEVER USE WATER ON CHLORINE LEAK. Hazardous Decomposition Products:NONE Conditions to Avoid Polymerization:WILL NOT OCCUR.

======= Disposal Considerations ===========

Waste Disposal Methods:REMOVE LEAKING CONTAINER TO ISOLATED AREA. RETURN TO MANUFACTURER. FOLLOW LOCAL, STATE AND FEDERAL REGULATIONS.

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