

DELTA CHEMICAL CORPORATION -- CHLORINE -- 6830-00-894-3135

===== Product Identification =====

Product ID:CHLORINE

MSDS Date:01/01/1985

FSC:6830

NIIN:00-894-3135

MSDS Number: BFVDP

=== Responsible Party ===

Company Name:DELTA CHEMICAL CORPORATION

Address:2601 CANNERY AVE

City:BALTIMORE

State:MD

ZIP:21226-1510

Country:US

CAGE:7A345

=== Contractor Identification ===

Company Name:DELTA CHEMICAL CORP

Address:2601 CANNERY AVE

Box:City:BALTIMORE

State:MD

ZIP:21226-1510

Country:US

Phone:301-354-0100/800-424-9300(CHEMTREC)

CAGE:7A345

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

Ingred Name:CHLORINE (SARA III)

CAS:7782-50-5

RTECS #:FO2100000

Fraction by Wt: 99.5%

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 =====

Effects of Overexposure:EYE/SKIN: BURNS. VAPORS: SU

FFOCATION,IRRIT OF
THROAT & UPPER RESP SYSTEM,PULMONARY EDEMA.

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First Aid Measures
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First Aid:EYE: FLUSH WITH WATER 15 MINUTES,GET MEDICAL ASST. SKIN: WASH WITH WATER. INHALATION: REMOVE FROM EXPOSURE,GIVE ARTIF RESP IF NEEDED,GET MEDICAL ATTN. INGESTION: INDUCE VOMITING.

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Fire Fighting Measures
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Flash Point:NONE
Extinguishing Media:SUFFICINET FOR SURROUNDING AREA.
Fire Fighting Procedures
:SCBA & TURNOUT CLOTH,WATER TO COOL EXPSE CONT
*SEE SUP DATA.
Unusual Fire/Explosion Hazard:MANY METALS IGNITE IN PRESENCE OF CHLORINE.

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Accidental Release Measures
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Spill Release Procedures:MOVE UNPROTECTED PERSONNEL OUT OF DANGER AREA. ISOLATE LEAK IF CHLORINE CONTAINER IS LEAKING,POSITION SO GAS RATHER THAN LIQUID LEAKS. USING FULL PERSONAL PROTECTIVE EQUIPMENT,APPLY EMERGENCY KIT DEVI CE,IF POSSIBLE. APPLY EMERGENCY PLAN,ONLARGE LEAK

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Handling and Storage
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Handling and Storage Precautions:DO NOT ATTEMPT TO HANDLE,STORE OR USE CHLORINE WITH OUT COMPLETE REVIEW OF THE CHLORINE INSTITUTE'S CHLORINE MANUAL.
Other Precautions:OBTAIN MEDICAL ASST AFTER ANY EXPOSURE. KEEP CHLORINE PIPING & EQUIPMENT CLEAN & MOISTURE FREE.

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Exposure Controls/Personal Protection
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Respiratory Protection:NIOSH/MSHA APPROVED RESP DEVICE IN ACCORD WITH EXPO

SURE OF CONCERN.

Ventilation:FLOOR LEVEL EXHAUST TO LIMITN EXPOSURE BELOW THE PEL

Protective Gloves:NON-POROUS

Eye Protection:CHEM WORKER

Other Protective Equipment:PROTECTIVE CLOTHING.

Supplemental Safety and Health

*EXCEPT IF CL*2 IS ESCAPING. WET CHLORINE IS CORROSIVE TO MOST METALS

EXCEPT TITANIUM. DRY CHLORINE IS NOT CORROSIVE TO MOST METALS

EXCEPT TITANIUM & TIN. CONTAINER SIZE: 150 LB CYLINDER.

===== Physical/Chemical Properties =====

HCC:G7

Boiling P

t:B.P. Text:-29F/-34C

Vapor Pres:71

Vapor Density:2.5

Spec Gravity:1.467

Solubility in Water:SLIGHT

Appearance and Odor:GAS: GREENISH YELLOW; LIQUID: AMBER. ODOR: PUNGENT

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

Stability Indicator/Materials to Avoid:YES

ORGANIC MATERIALS,WATER.

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

Waste Disposal Methods:COMPLY WITH LOCAL,STATE AND FEDERAL REGULATION.

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