

CITY CHEMICAL CORPORATION (FORMER NEW YORK NY LOCATION) -- SODIUM CHLORATE --
6810-00-262-8587

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

Product ID:SODIUM CHLORATE

MSDS Date:09/01/1998

FSC:6810

NIIN:00-262-8587

Status Code:A

MSDS Number: CJDQS

=== Responsible Party ===

Company Name:CITY CHEMICAL CORPORATION (FORMER NEW YORK NY LOCATION)

Address:100 HOBOKEN AVE

City:JERSEY CITY

State:NJ

ZIP:07310

Coun

try:US

Info Phone Num:201-653-6900/800-424-9300(CHEMTREC)

Emergency Phone Num:908-859-2151/800-248-2436

Chemtre Ind/Phone:(800)424-9300

CAGE:83628

=== Contractor Identification ===

Company Name:CITY CHEMICAL CORPORATION

Address:100 HOBOKEN AVE

City:JERSEY CITY

State:NJ

ZIP:07310

Country:US

Phone:201-653-6900/800-248-2436

Contract Num:SP045098MCN88

CAGE:83628

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

Ingred Name:CHLORIC ACID, SODIUM SALT; (SODIUM CHLORATE)

CAS:7775-0

9-9

RTECS #:FO0525000

= Wt:100.

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) 1200 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS: EYES, SKIN, RESPIRATORY
AND GASTROINTESTINAL TRACTS. ACUTE - VERY DANGEROUS IN CASE OF SKIN
CONTACT (IRRITANT), OF EYE CONTACT (IRRITANT), OF INHALATIO

N. VERY

SLIGHTLY TO SLIGHTLY DANGE ROUS IN CASE OF SKIN CONTACT (CORROSIVE,PERMEATOR). THIS PRODUCT IS A SEVERE EYE IRRITANTAND CAUSE INFLAMMATION. PROLONGED EXPOSURE MAY RESULT IN SKIN, INFLAMMATION, BURNS AND ULCERATION. OVER-EXPOSUR E BY INHALATION MAY CAUSE RESPIRATORY IRRITATION. HARMFUL IF INGESTED. CHRONIC - UNKNOWN.

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:SEVERE IRRITATION, NAUSEA, VOMITING, TEARING, BLURRED VISION, DRY SKIN, BLISTERING, REDDENING, ITCHING, COUGHING

Medical Cond Aggravated by Exposure:NOT KNOWN TO AGGRAVATE PREEEXISTING MEDICAL CONDITION.

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===== First Aid Measures =====

First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN. SKIN: WASH WITH A DISINFECTANT SOAP AND WATER. COVER THE CONTAMINATED SKIN WITH AN ANTI-BACTERIA CREAM. INHALED: REMOVE TO FRESH AIR. LOOSEN TIGHT CLOTHING. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF THE VICTIM IS NOT BREATHING, PERFORM MOUTH-TO-MOUTH RESUSCITATION. SEEK MEDICAL ATTENTION. INGESTION: IF CONSCIOUS, DRINK SEVERAL GLASSES OF MILK OR WATER. INDUCE VOMITING BY STICKING FINGER IN THROAT. SEEK IMMEDIATE MEDICAL ATTENTION. NEVER GIVE FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS.

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===== Fire Fighting Measures =====

Flash Point:NOT COMBUSTIBLE

Unusual Fire/Explosion Hazard:

STRONG OXIDIZER. INCREASES FLAMMABILITY OF COMBUSTIBLE SUBSTANCES. IN CONTACT WITH EASILY OXIDIZABLE SUBSTANCES, IT MAY REACT RAPIDLY ENOUGH TO IGNITE/EXPLODE.

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

Spill Release Procedures:OXIDIZING MATERIAL. STOP LEAK IF WITHOUT RISK. AVOID CONTACT WITH A COMBUSTIBLE MATERIAL (WOOD, PAPER, OIL CLOTHING). WEAR DUST RESPIRATOR IF NEEDED. KEEP SUBSTANCE DAMP USING WATER SPRAY. DO NOT TOUCH SPILLED MATERIAL.

SWEEP UP AND

TRANSFER INTO A SEALABLE WASTE CONTAINER. MINIMIZE GENERATION OF DUST. WASH SPILL AREA THOROUGHLY WITH WATER. PREVENT ENTRY INTO SEWERS OR CONFINED AREAS.

Neutralizing Agent:REDUCING MATERIAL

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

Handling and Storage Precautions:OXIDIZING MATERIALS SHOULD BE STORED IN A SEPARATE SAFETY STORAGE CABINET OR ROOM. STORE IN A COOL, DRY, VENTILATED AREA AWAY FROM IGNITION SOURCES, AND INCOMPATIBLES.

Other

Precautions:DO NOT GENERATE DUST. AVOID BREATHING DUST. DO NOT GET IN EYE, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. IF YOU FEEL UNWELL, SEE A DOCTOR.

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

Respiratory Protection:NONE NEEDED IN NORMAL LABORATORY HANDLING. IF D

DUSTY SITUATIONS PREVAIL, WORK IN VENTILATION HOOD OR WEAR NIOSH-APPROVED DUST RESPIRATOR OR MASK.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP DUST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GLASSES OR GOGGLES

Other Protective Equipment:FULL SUIT, BOOTS, EYE BATH, WASHING FACILITY

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING, DRINKING OR S

MOKING.

Supplemental Safety and Health

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

HCC:D1

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:=248.C, 478.4F

Decomp Temp:=300.C, 572.F

Spec Gravity:2.5(WATER=1)

Solubility in Water:SOLUBLE IN COLD WATER

Appearance and Odor:SOLID

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

Stability Indicator/Materials to Avoid:NO

EXTREMELY REACTIVE OR INCOMPATIBLE WITH ACIDS. HIGHLY REACTIVE WITH REDUCING AGENTS,

COMBUSTIBLE MATERIALS, ORGANIC MATERIALS.

Hazardous Decomposition Products:EMITS TOXIC FUMES OF CHLORINE & SODIUM OXIDE WHEN HEATED TO DECOMPOSITION.

===== Ecological Information =====

Ecological:THE PRODUCTS OF DEGRADATION ARE MORE TOXIC.

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

Waste Disposal Methods:WHATEVER CANNOT BE SAVED FOR RECLAMATION OR RECYCLING MAY BE DELIVERED TO A RCRA APPROVED WASTE DISPOSAL FACILITY. ENSURE COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

===== Regulatory Information =====

State Regulatory Information:LISTED BY THE STATE OF PENNSYLVANIA AND MASSACHUSETTS.

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