

CITY CHEMICAL CORPORATION -- HYDROXYLAMINE HYDROCHLORIDE,ACS,CRYSTAL --  
6810-00-262-8577

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

Product ID:HYDROXYLAMINE HYDROCHLORIDE,ACS,CRYSTAL

MSDS Date:06/01/1994

FSC:6810

NIIN:00-262-8577

MSDS Number: BDQCF

=== Responsible Party ===

Company Name:CITY CHEMICAL CORPORATION

Address:100 HOBOKEN AVE

City:JERSEY CITY (FORMALLY IN NEW YORK, NY)

State:NJ

ZIP:07310

Country

:US

Info Phone Num:201-653-6900/FAX -4468

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

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

CAGE:83628

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

Ingred Name:HYDROXYLAMINE HYDROCHLORIDE

CAS:5470-11-1

RTECS #:NC3675000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, MUS) IS 408 MG/KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:TARGET ORGANS:BLOOD, CENTRAL NERVOUS SYSTEM. ACUTE- TOXIC. CORROSIVE. HARMFUL IF SWALLOWED, INHALED/ABSORBED THROUGH SKIN. IT IS EXTREMELY DESTRUCTIVE TO TISSUE OF MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT, EYES & SKIN. INHALA

TION MAY BE FATAL. ABSORPTION MAY CAUSE METHEMOGLOBINEMIA. CHRONIC- MUTAGENIC EFFECTS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, TEARING, NAUSEA, VOMITING, COUGHING, BURNING SENSATION, WHEEZING, SHORTNESS OF BREATH, CYANOSIS, CONVULSION, DIZZINESS, HEADACHE

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED CNS OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES/SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. ORAL:IF CONSCIOUS, WASH OUT MOUTH WITH WATER. SEEK MEDICAL ATTENTION.

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

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:CARBON DIOXIDE, FOAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. TOXIC GASES MAY BE PRESENT.

Unusual Fire/Explosion Hazard:MAY EMIT TOXIC FUMES. CONTAINER MAY EXPLODE.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. COVER SPILL WITH DRY LIME OR SODA ASH. SWEEP UP. AVOID CREATING DUST. PLACE IN

APPROPRIATE CONTAINER FOR DISPOSAL. VENTILATE AREA AND WASH SPILL SITE AFTER PICKUP IS COMPLETE.

Neutralizing Agent:SODA ASH, LIME

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

Handling and Storage Precautions:STORE IN DRY PLACE AWAY FROM STRONG OXIDIZING AGENTS. KEEP CONTAINER TIGHTLY CLOSED. USE UNDER THE HOOD. DO NOT STORE ABOVE 65C/149F.

Other Precautions:TOXIC. CORROSIVE. DO NOT RAISE DUST. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. AVOID INHALATION OF DUST. WASH

THOROUGHLY AFTER HANDLING MATERIAL. KEEP OUT OF REACH OF SMALL CHILDREN. DO NOT INGEST. MAY EXPLODE IF HEATED ABOVE 115C/239F.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED DUST RESPIRATOR OR DUST MASK.

Ventilation:GOOD GENERAL VENTILATION IS SUFFICIENT FOR MOST CONDITIONS (10 ROOM VOLUMES PER HOUR).

Protective Gloves:RUBBER

Eye Protection:

SAFETY GLASSES OR DUST GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING AND/OR UNIFORM

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:M.P/F.P Text:DECOMPOSES

Decomp Temp:Decomp Text:318F,159C

Spec Gravity:1.670

Viscosity:NOT RELEVANT

Evaporatio

n Rate & Reference:NOT RELEVANT  
Appearance and Odor:WHITE CRYSTALLINE POWDER

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:AIR, MOISTURE  
Hazardous Decomposition Products:NITROGEN OXIDES, HYDROGEN GAS

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

Waste Disposal Methods:THE POWDER MAY BE BURIED IN A SANITARY LANDFILL  
IF PERMITTED. ENSURE COMPLIANCE WITH LOCAL, STATE AND FEDERAL  
REGULATIONS. CONTRACT WITH A LICENSED CHEMICAL WASTE AGENCY.  
REUSING IS ENCOURAGED.

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