

SPECTRUM CHEMICAL MANUFACTURING CORP. -- HYDROCHLORIC ACID,ACS (MURIATIC ACID,23 BE) -- 6810-00-237-2955

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

Product ID:HYDROCHLORIC ACID,ACS (MURIATIC ACID,23 BE)

MSDS Date:03/01/1993

FSC:6810

NIIN:00-237-2955

MSDS Number: BDLZK

=== Responsible Party ===

Company Name:SPECTRUM CHEMICAL MANUFACTURING CORP.

Address:14422 SOUTH SAN PEDRO STREET

City:GARDENA

State:CA

ZIP

:90248-2027

Country:US

Info Phone Num:213-516-8000

Emergency Phone Num:213-516-8000

Preparer's Name:C.A. EISENHARD

CAGE:63415

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:SPECTRUM LABORATORY PRODUCTS INC

Address:14422 S SAN PEDRO ST

Box:City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Phone:310-516-8000/FAX: 310-516-9843

CAGE:63415

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Composition/Information on Ingredients  
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Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)  
CAS:7647-01-0  
RTECS #:MW4025000  
Fraction by Wt: 37.0%  
OSHA PEL:C 5 PPM  
ACGIH TLV:C 5 PPM; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: BALANCE

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Hazards Identification  
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LD50 LC50 Mixture:LD50 (ORAL RAT) IS 900 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES I  
ngestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: CORROSIVE!  
INHALATION:IRRITATION & BURNING OF THE RESPIRATORY TRACT. 100 PPM  
IMMEDIATELY DANGEROUS TO LIFE. INGESTION:BURNS TO MOUTH & G.I.  
TRACT. EYE:SEVERE BURNS & DAMAGE. SKIN:SEVERE BURNS AND DEEP  
ULCERS. CHRONIC:EROSION OF TEETH, BRONCHITIS, NECROSIS OF ALL  
TISSUES.  
Explanation of Carcinogenicity:HYDROCHLORIC ACID IS NOT LISTED BY IARC,  
NTP, OR OSHA AS A CARCINO  
GEN.  
Effects of Overexposure:IRRITATION/BURNS/INFLAMATION OF THE NOSE,  
THROAT, UPPER RESPIRATORY TRACT, EYES, SKIN AND MUCOUS MEMBRANES;  
COUGHING, CHOKING, CHILLS, SHOCK, INTENSE THIRST.  
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR  
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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First Aid Measures  
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First Aid:INHALATION:REMOVE TO FRESH

AIR. RESUSCITATE IF NOT BREATHING.

GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET IMMEDIATE MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET IMMEDIATE MEDICAL ATTENTION. INGESTION:DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES OF WATER AND MILK. GET IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media:NOT FLAMMABLE;  
USE WATER SPRAY.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:CONTACT WITH METALS PRODUCES HYDROGEN WHICH MAY FORM EXPLOSIVE MIXTURES WITH AIR.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT, NEUTRALIZE AND FLUSH WITH EXCESS WATER. LARGE SPILL: EVACUATE AND VENTILATE AREA.

IF POSSIBLE, STOP LEAK. DIKE TO RETAIN RUN OFF. NEUTRALIZE & PICK UP WITH ABSORBENT MATERIAL.

Neutralizing Agent:SODA ASH, LIME OR OTHER SUITABLE ALKALINE MATERIAL.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE & DIRECT SUNLIGHT.

Other Precautions:DO NOT TAKE INTERNALLY. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED FULL FACEPIECE CHEMICAL CARTRIDGE RESPIRATOR OR A SUPPLIED AIR FULL FACEPIECE RESPIRATOR OR AIRLINED HOOD.

Ventilat

ion:LOCAL EXHAUST TO MAINTN BELOW TLV.

Protective Gloves:NEOPRENE OR RUBBER GLOVES

Eye Protection:CHEMICAL SAFETY GOGGLES WITH FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

IMPERVIOUS BOOTS, APRON, OR COVERALLS AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO

NOT BREATHE VAPORS OR MISTS. PROTECT FROM MOISTURE.

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

HCC:C1

Boiling Pt:B.P. Text:384F,196C

Vapor Density:1.3

Spec Gravity:1.2

pH: