

SPECTRUM CHEMICAL MANUFACTURING CORP. -- HYDROCHLORIC ACID, CONCENTRATED  
(36-37%) -- 6810-00-237-2955

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

Product ID:HYDROCHLORIC ACID, CONCENTRATED (36-37%)

MSDS Date:07/15/1993

FSC:6810

NIIN:00-237-2955

MSDS Number: BWZPQ

=== Responsible Party ===

Company Name:SPECTRUM CHEMICAL MANUFACTURING CORP.

Address:14422 SOUTH SAN PEDRO STREET

City:GARDENA

State:CA

ZIP:9024

8-2027

Country:US

Info Phone Num:213-516-8000

Emergency Phone Num:213-516-8000

CAGE:63415

=== Contractor Identification ===

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

Company Name:VENUS LABORATORIES INC

Address:15571 COMMERCE LANE

Box:City:HUNTINGTON BEACH

State:CA

ZIP:92649

Country:US

Phone:714-881-3100

CAGE:0N140

===== Composition/Information on Ingredie

nts =====

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: 63%

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

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

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

Health Hazards Acute and Chron

ic:INHALATION-MAY CAUSE IRRITATION &

BURNING OF THE THROAT. SKIN-MAY CAUSE SEVERE IRRITATION,  
INFLAMMATION, ULCERATION, NECROSIS & CHEMICAL BURNS. EYE-MAY CAUSE  
SEVERE IRRITATION, CONJUNCTIVITIS, CORNEAL NECROSIS & BURNS.  
INGESTION-NEPHRITIS,FEVER AND PERFORATION OF THE INTESTINAL TRACT,  
AND CIRCULATORY COLLAPSE.

Explanation of Carcinogenicity:HYDROCHLORIC ACID IS NOT LISTED BY IARC,  
NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:INHALATION-COUGHING AND CHOKING. SK

IN-RAPID

PULSE, SWEATING AND COLLAPSE. EYE-PERMANENT OR IMPAIRED LOSS OF  
VISION. INGESTION-MAY CAUSE BURNS OF THE MOUTH, THROAT, ESOPHAGUS  
AND STOMACH WITH CONSEQUEN T PAIN, UNEASINESS, NAUSEA,  
SALIVATION,VOMITING, DIARRHEA, CHILLS, SHOCK AND 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 =====

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 LARGE AMOUNTS OF WATER AND MILK. GET IMMEDIATE MEDICAL ATTENTION.

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Fire Fighting Measures =====

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM. FOR LARGER FIRES USE WATER SPRAY, FOG OR REGULAR FOAM.

Fire Fighting Procedures:MOVE CONTAINERS FROM FIRE AREA IF CAN DO WITHOUT RISK. APPLY COOLING WATER TO SIDES OF CONTAINER THAT AREA EXPOSED TO FLAMES UNTIL WELL AFTER FIRE IS OUT.

Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

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

Spill Release Procedures:DIG A HOLDING AREA SUCH AS A PIT, POND OR LAGOON TO CONTAIN SPILL AND DIKE SURFACE FLOW USING BARRIER OF SOIL, SANDBAGS, FOAMED POLYURETHANE OR FOAMED CONCRETE. ABSORB LIQUID MASS WITH FLY ASH OR CEMENT POWDER. NEUTRALIZE SPILL. Neutralizing Agent:SLAKED LIME, SODIUM BICARBONATE OR CRUSHED LIMESTONE.

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

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE. STORE

IN COOL, WELL VENTILATED PLACE, SEPERATED FROM ALL OXIDIZING MATERIALS. STORE AWAY FROM INCOMPATIBLE SUBSTANCES

Other Precautions:MAY BURN BUT DOES NOT READILY IGNITE. FLAMMABLE, POISONOUS GASES MAY ACCUMULATE IN TANK AND HOPPER CARS. MAY IGNITE COMBUSTIBLES (WOOD, PAPER, OIL, ETC).

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

Respiratory Protection:THE SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON CONTAMINATION LEVELS FOUND IN THE

E WORK PLACE, MUST BE BASED ON

THE SPECIFIC OPERATION, MUST NOT EXCEED THE WORKING LIMITS OF THE RESPIRATOR & MUST BE APPROVED BY NIOSH AND MSHA.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION SYSTEM TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves:WEAR APPROPRIATE GLOVES.

Eye Protection:SPLASH-PROOF GOGGLES.

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:1.1

Solubility in Water:SOLUBLE

Appearance and Odor:COLORLESS OR SLIGHTLY YELLOW FUMING LIQUID WITH A

PUNGENT ODOR.

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

Stability Indicator/Materials to Avoid:YES

ACETIC ANHYDRIDE, ALUMINUM, BRASS, BRONZE, COPPER, FLUORINE, IRON, METALS, ETC.

Stability Condition to Avoid:REACTS EXOTHERMICALLY WITH WATER OR STREAM TO PRODUCE TOXIC AND CORROSIVE FUMES.

Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE CORROSIVE HYDROGEN CHLORIDE.ES.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE, 40 CFR 262. EPA HAZARDOUS WASTE NUMBER D002. 100 POUNDS CERCLA SECTION 103 REPORTABLE QUANTITY.

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