

SPECTRUM CHEMICAL MANUFACTURING -- HYDROCHLORIC ACID, CONCENTRATED (36-37%) - HYDRC
MATERIAL SAFETY DATA SHEET
NSN: 6810002372955
Manufacturer's CAGE: 63415
Part No. Indicator: B
Part Number/Trade Name: HYDROCHLORIC ACID, CONCENTRATED (36-37%)

General Information

Item Name: HYDROCHLORIC ACID,ACS
Company's Name: SPECTRUM CHEMICAL MANUFACTURING CORP.
Company's Street: 14422 SOUTH SAN PEDRO STREET
Company's City: GARDENA
Company's State: CA
Company's Country: US
Company's Zip Code: 90248-2027
Company's Emerg Ph #: 213-516-8000
Company's Info Ph #: 213-516-8000
Distributor/Vendor # 1: VENUS LABORATORIES INC (800-841-3100)
Distributor/Vendor # 1 Cage: 0N140
Record No. For Safety Entry: 010
Tot Safety Entries This Stk#: 013
Status: SE
Date MSDS Prepared: 15JUL93
Safety Data Review Date: 06JUN95
Supply Item Manager: CX
MSDS Serial Number: BWZPQ
Specification Number: O-C-265
Hazard Characteristic Code: C1
Unit Of Issue: BT
Unit Of Issue Container Qty: 80 OZ
Type Of Container: BOTTLE
Net Unit Weight: UNKNOWN

Ingredients/Identity Information

Proprietary: NO
Ingredient: HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)
Ingredient Sequence Number: 01
Percent: 37.0
NIOSH (RTECS) Number: MW4025000
CAS Number: 7647-01-0
OSHA PEL: C 5 PPM
ACGIH TLV: C 5 PPM; 9192
Other Recommended Limit: NOT ESTABLISHED

Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 02
Percent: 63
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NOT ESTABLISHED

Physical/Chemical Characteristics

Appearance And Odor: COLORLESS OR SLIGHTLY YELLOW FUMING LIQUID WITH A
PUNGENT ODOR.
Boiling Point: 384F,196C
Vapor Density (Air=1): 1.3

Specific Gravity: 1.2
 Decomposition Temperature: UNKNOWN
 Solubility In Water: SOLUBLE
 pH: 1.1

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 Fire and Explosion Hazard Data
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Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM. FOR LARGER FIRES USE WATER SPRAY, FOG OR REGULAR FOAM.
 Special Fire Fighting Proc: 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 And Expl Hazrds: NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

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 Reactivity Data
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Stability: YES
 Cond To Avoid (Stability): REACTS EXOTHERMICALLY WITH WATER OR STREAM TO PRODUCE TOXIC AND CORROSIVE FUMES.
 Materials To Avoid: ACETIC ANHYDRIDE, ALUMINUM, BRASS, BRONZE, COPPER, FLUORINE, IRON, METALS, ETC.
 Hazardous Decomp Products: THERMAL DECOMPOSITION MAY RELEASE CORROSIVE HYDROGEN CHLORIDE.ES.
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): NOT APPLICABLE

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 Health Hazard Data
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LD50-LC50 Mixture: LD50 (ORAL RAT) IS UNKNOWN
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: YES
 Route Of Entry - Ingestion: YES
 Health Haz Acute And Chronic: 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.
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: HYDROCHLORIC ACID IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
 Signs/Symptoms Of Overexp: INHALATION-COUGHING AND CHOKING. SKIN-RAPID PULSE, SWEATING AND COLLAPSE. EYE-PERMANENT OR IMPAIRED LOSS OF VISION. INGESTION-MAY CAUSE BURNS OF THE MOUTH, THROAT, ESOPHAGUS AND STOMACH WITH CONSEQUENT PAIN, UNEASINESS, NAUSEA, SALIVATION, VOMITING, DIARRHEA, CHILLS, SHOCK AND INTENSE THIRST.
 Med Cond Aggravated By Exp: 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.
 Emergency/First Aid Proc: 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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 Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: 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.

Waste Disposal Method: 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.

Precautions-Handling/Storing: 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).

Control Measures

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

Suppl. Safety & Health Data: AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. PROTECT FROM MOISTURE.

Transportation Data

Trans Data Review Date: 94157

DOT PSN Code: HJG

DOT Proper Shipping Name: HYDROCHLORIC ACID, SOLUTION

DOT Class: 8

DOT ID Number: UN1789

DOT Pack Group: II

DOT Label: CORROSIVE

IMO PSN Code: IEX

IMO Proper Shipping Name: HYDROCHLORIC ACID

IMO Regulations Page Number: 8183

IMO UN Number: 1789

IMO UN Class: 8

IMO Subsidiary Risk Label: -

IATA PSN Code: NPG

IATA UN ID Number: 1789

IATA Proper Shipping Name: HYDROCHLORIC ACID

IATA UN Class: 8

IATA Label: CORROSIVE

AFI PSN Code: NPG

AFI Symbols: T

AFI Prop. Shipping Name: HYDROCHLORIC ACID, SOLUTION

AFI Class: 8

AFI ID Number: UN1789

AFI Pack Group: II

AFI Special Prov: A3,A6,N41

AFI Basic Pac Ref: 12-5

Disposal Data

Label Data

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Label Required: YES
Technical Review Date: 06JUN94
Label Status: F
Common Name: HYDROCHLORIC ACID, CONCENTRATED (36-37%)
Chronic Hazard: YES
Signal Word: WARNING!
Acute Health Hazard-Moderate: X
Contact Hazard-Moderate: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: SPILL: 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. FIRST AID: INHALATION:REMOVE TO 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.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
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Label Street: 14422 SOUTH SAN PEDRO STREET
Label City: GARDENA
Label State: CA
Label Zip Code: 90248-2027
Label Country: US
Label Emergency Number: 213-516-8000