

SPECTRUM CHEMICAL MFG CORP. -- NITRIC ACID,ACS -- 6810-00-241-1193

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

Product ID:NITRIC ACID,ACS

MSDS Date:06/01/1994

FSC:6810

NIIN:00-241-1193

MSDS Number: BWFLB

=== Responsible Party ===

Company Name:SPECTRUM CHEMICAL MFG CORP.

Address:14422 SOUTH SAN PEDRO STREET

City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Info Phone Num:310-516-8000

Emergency Phone Num:800-4

24-9300

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

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

Ingred Nam

e:NITRIC ACID (SARA III)  
CAS:7697-37-2  
RTECS #:QU5775000  
Fraction by Wt: 70%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 PPM  
ACGIH TLV:2 PPM/4 STEL; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 30%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV IS 2 PPM TWA  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO  
IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:\*\*CORROSIVE\*\* ACUTE: CORROSIVE TO ALL  
BODY TISSUES. SEVERE IRRITATION AND BURNS TO EYES, SKIN,  
RESPIRATORY AND GASTROINTESTINAL TRACTS. CHRONIC: DERMATITIS, MOUTH  
ULCERATION, EROSION OF TEETH, BRONCHI AL PNEUMONIA,DAMAGE TO  
KIDNEYS.  
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.  
Effects of Overexposure:INHAL:YELLOWISH BURNS TO MUCOSA,PULMONARY  
E  
DEMA.DEATH MAY OCCUR IN 5-72 HRS FROM ANOXIA.SKIN:YELLOWISH  
STAINS,DEEP BURNS WITH SCAR FORMATION,DERMATITIS.EYES:MAY BECOME  
OPAQUE AND VASCULARIZED,RESULTIN G IN BLINDNESS,CONJUNCTIVITIS.  
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF EYE,  
SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM  
EXPOSURE.

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

First Aid:EYES:FLUSH WITH PLENTY OF WATER OR NORMAL SALINE FOR AT LEAST  
15 MIN

UTES.IF IRRITATION PERSISTS,SEE DOCTOR. SKIN:WASH WITH MILD SOAP AND WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INHALATIO N:REMOVE VICTIM TO FRESH AIR.GIVE OXYGEN/CPR IF NEEDED.SEE DOCTOR. INGESTION:DO NOT INDUCE VOMIT.SEE DOCTOR IMMEDIATELY.IF CONSCIOUS,GIVE WATER OR MILK(MORE IF VOMITING).DO NOT USE GASTRIC LAVAGE.

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY, DRY CHEMICAL,SODA ASH.

Fire F

ighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SCBA. FIGHT FIRE AS FAR A DISTANCE AS POSSIBLE. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:\*\*OXIDIZER\*\* NITRIC ACID MAY YIELD OXYGEN WHEN HEATED, WHICH WILL INCREASE THE RATE OF BURNING OF COMBUSTIBLE MATERIAL & MAY RESULT IN IGNITION.

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

Spill Release Procedures:REMOVE PERSONNEL. ELIMINATE IGNITION SOURCE S.

VENTILATE AREA. WEAR PROTECTIVE CLOTHING AND EQUIPMENT. NEUTRALIZE VERY CAUTIOUSLY. ABSORB IN FLY ASH OR CEMENT POWDER AND PLACE IN APPROPRIATE DISPOSAL CO NTAINER AND COVER.

Neutralizing Agent:SLAKED LIME, SODIUM BICARBONATE OR CRUSHED LIMESTONE.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS.

KEEP CONTAINERS CLOSED.

Other Precautions:AVOID EXPOSING PRODUCT TO DIRECT SUNLIGHT. AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS.REACTS VIOLENTLY WITH WATER AND FUELS.

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

Respiratory Protection:NIOSH APPROVED RESPIRATOR WITH ACID GAS CARTRIDGE OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation:LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE LEVELS BELOW PEL.

Protective Gloves:NATURAL RUBBER, NEOPRENE OR P

VC GLOVES.

Eye Protection:SPLASH-PROOF GOGGLES AND FACE SHIELD.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health  
NONE.

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

HCC:C1

Boiling Pt:B.P. Te

xt:181F,83C

Melt/Freeze Pt:M.P/F.P Text:-44F,-42C

Vapor Pres:47.9

Vapor Density:3.2

Spec Gravity:1.5027

pH:ACIDIC

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS TO PLAE LIQUID WITH A SUFFOCATING ODOR.

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

Stability Indicator/Materials to Avoid:YES

ACETIC ACID,ACETONE,AMMONIA,BENZENE CHLORINE,CYANATES,DIPHENYL TIN,LITHIUM,METALS AND WOOD.

Stability Condition to Avoid:EXTREME HEAT.WATER(REACTS EXOTHERMICALLY).

Hazard

ous Decomposition Products:NITROGEN OXIDES.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.  
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL  
REGULATIONS. EPA HAZARDOUS WASTE NUMBER D002.

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