

SPECTRUM CHEMICAL MFG CORP. -- PHOSPHORIC ACID 75% -- 6810-00-823-8004

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

Product ID:PHOSPHORIC ACID 75%

MSDS Date:03/04/1998

FSC:6810

NIIN:00-823-8004

Status Code:A

MSDS Number: CJFMM

=== 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

Eme

rgency Phone Num:310-516-8000

Preparer's Name:E. BRULL

Chemtrec Ind/Phone:(800)424-9300

CAGE:63415

=== Contractor Identification ===

Company Name:LOS ANGELES CHEMICAL CO

Address:4545 ARDINE ST

Box:1987

City:SOUTH GATE

State:CA

ZIP:90280

Country:US

Phone:213-562-9500

Contract Num:SP045099MC444

CAGE:75656

Company Name:SPECTRUM CHEM MFR CORP (REPLACED BY CAGE 63415)

Address:14422 S SAN PEDRO ST

Box:City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Phone:310-516-8000

CAGE:6P212

Company Name:SPECTRUM L

ABORATORY 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 Name:PHOSPHORIC ACID

CAS:7664-38-2

RTECS #:TB6300000

= Wt:75.

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3

ACGIH STEL:3 MG/M3

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

= Wt:25.

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) 1530 MG/KG (H3PO4)

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

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

Health Hazards Acute and Chronic:TARGET ORGANS: EYES, SKIN, RESPIRATORY  
AND GASTROINTESTINAL TRACTS. ACUTE - EXTREMELY DANGEROUS IN CASE OF  
SKIN CONTACT (IRRITANT), OF EYE CONTACT (IRRITANT), OF INGESTION.  
VERY DANGEROUS IN CASE OF S KIN CONTACT (CORROSIVE), OF INHALATION.  
SLIGHTLY DANGEROUS IN CASE O  
F SKIN CONTACT ( PERMEATOR).

NON-SENSITIZER FOR SKIN. LIQUID OR SPRAY MIST MAY PRODUCE TISSUE  
DAMAGE PARTICULARLY OF EYES, MOUTH AND RESPIRATORY TRACT. SEVERE  
OVEREXPOSURE CAN RESULT IN DEATH. MAY CAUSE EYE INFLAMMATION. MAY  
CAUSE SKIN INFLAMMATION, BURNS, AND BLISTERING. CHRONIC - TOXIC TO  
LUNGS AND MUCOUS MEMBRANES. MAY CAUSE TA RGET ORGANS DAMGE AND  
IRRITATION.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE BURNS, SEVERE IRRITATION, SEVERE PAIN,

NAUSEA, VOMITING, DIARRHEA, DEEP SKIN ULCERS, BLISTERING, ITCHING, WATERING, REDNESS, COUGHING, CHOCKING, SHORTNESS OF BREATH, BREATHING DIFFICULTY, SHOCK, POSSIBLY COMA, DEATH

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

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

First Aid: OBTAIN MEDICAL ATTENTION IMMEDIATELY. INHALED: REMOVE FROM

EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. EYES: IMMEDIATELY FLUSH EYE WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. OCCASIONALLY LIFTING THE UPPER AND LOWER LIDS. DO NOT ALLOW VICTIM TO RUB OR KEEP EYES CLOSED. SKIN: FLUSH WITH LARGE AMOUNT OF RUNNING WATER FOR AT LEAST 15 MINUTES. INGESTION: DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS AND ALERT, WASH OUT MOUTH

WITH RUNNING WATER. GIVE 2-4 CUPFULS OF MILK OR WATER TO DRINK.

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

Fire Fighting Procedures: NO ADDITIONAL REMARK.

Unusual Fire/Explosion Hazard: NO SPECIFIC INFORMATION IS AVAILABLE REGARDING PRODUCTS RISKS OF EXPLOSION IN PRESENCE OF VARIOUS MATERIALS.

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

Spill Release Procedures: WEAR APPROPRIATE PERSONAL EQUIPMENT. ISOLATE HAZARD AREA. KEEP UNPROTECTED PERSONNEL AWAY. DO NOT TOUCH SPILLED MATERIAL. STOP LEAK IF POSSIBLE. CONTAIN AND RECOVER LIQUID WHEN POSSIBLE. ABSORB SPILL WITH AN INERT, DRY MATERIAL AND PLACE IN AN APPROPRIATE CHEMICAL WASTE DISPOSAL CONTAINER. NEUTRALIZE THE RESIDUE WITH A DILUTE SOLUTION OF SODIUM CARBONATE. VENTILATE AREA WELL.

Neutralizing Agent: SODIUM CARBONATE

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

Handling and Storage Precautions: CORROSIVE MATERIALS SHOULD BE STORED

RED

IN A SEPARATE SAFETY STORAGE CABINET OR ROOM. KEEP LOCKED UP. KEEP CONTAINER DRY. KEEP AWAY FROM INCOMPATIBLES.

Other Precautions:CORROSIVE!. EMPTY CONTAINERS RETAIN PRODUCT RESIDUES AND CAN BE HAZARDOUS; OBSERVE ALL WARNINGS AND PRECAUTIONS LISTED ON THE LABEL. KEEP OUT OF REACH OF CHILDREN. AVOID BREATHING FUMES, VAPORS OR MISTS. DO NOT GET IN EYE, ON SKIN OR ON CLOTHING. AVOID INGESTION. NEVER ADD WATER TO ACID.

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

n =====

Respiratory Protection:IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. USE MSHA/NIOSH APPROVED RESPIRATORY OR EQUIVALENT.

Ventilation:PROVIDE EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP THE AIRBORNE CONCENTRATIONS OF VAPORS BELOW THEIR RESPECTIVE THRESHOLD LIMIT VALUE

Protective Gloves:RUBBER

Eye Protection:FACE SHIELD OR SPLASH GOGGLES.

Other Protective Equipment:FULL SUIT, VAPOR RESPIRATOR, BOOTS, GLOVES, SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED TO AVOID

INHALATION OF PRODUCT. SUGGESTED PROTECTIVE CLOTHING MAY NOT BE SUFFICIENT CONSULT SPECIALIST.

Work Hygienic Practices:ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE PROXIMAL TO WORK STATION LOCATIONS. CONSULT SPECIALIST BEFORE HANDLING THIS PRODUCT.

Supplemental Safety and Health

EXPOSURE LIMITS: PHOSPHORIC ACID= TWA: 1 STEL 3 (MG/M3) FROM ACGIH (1996) CONSULT LOCAL AUTHORITIES FOR ACCEPTABLE EXPOSURE LIMITS.

=====

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

HCC:C1

Boiling Pt.=100.C, 212.F

B.P. Text:H2O=LOWEST

Melt/Freeze Pt:M.P/F.P Text:N/AVAILABLE

Vapor Pres:17.536MMHG@20C=H2O

Vapor Density:0.62 AIR=1

Spec Gravity:1.52 H2O=1

pH:ACIDIC 1%H2O SO

Solubility in Water:EASY SOLUBLE IN COLD H2O

Appearance and Odor:LIQUID WITH COLOR, ODOR, AND TASTE INFORMATION NOT AVAILABLE.

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

Stability Indicator/Materials to Avoid:NO METALS,

ALKALIS

Stability Condition to Avoid:AVOID ADDING WATER TO ACID

Hazardous Decomposition Products:PHOSPHORUS OXIDES

===== Toxicological Information =====

Toxicological Information:CALCULATED VALUES FOR THE MIXTURE: ACUTE DERMAL TOXICITY (LD50): 3853 MG/KG (RABBIT); ACUTE ORAL TOXICITY (LD50): 2040 MG/KG (RAT). FOR PHOSPHORIC ACID: DERMAL (LD50): 2740 MG/KG (RABBIT)

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

Waste Disposal Methods:RECYCLE IF POSSIBLE. DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

===== Regulatory Information =====

SARA Title III Information:SARA 313: PHOSPHORIC ACID  
Federal Regulatory Information:TSCA INVENTORY: PHOSPHORIC ACID, WATER;  
CERCLA HAZARDOUS SUBSTANCES: PHOSPHORIC ACID  
State Regulatory Information:

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.