

ALBRIGHT AND WILSON COMPANY,ENVIRONMENTAL SERVICES -- ALBRITE PHOSPHOPHORIC  
ACID 75 PCT, TECH GRADE -- 6810-00-823-8004

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

Product ID:ALBRITE PHOSPHOPHORIC ACID 75 PCT, TECH GRADE

MSDS Date:09/10/1993

FSC:6810

NIIN:00-823-8004

Status Code:A

MSDS Number: CJSRH

=== Responsible Party ===

Company Name:ALBRIGHT AND WILSON COMPANY,ENVIRONMENTAL SERVICES

Box:26229

City:R

ICHMOND

State:VA

ZIP:23260

Country:US

Info Phone Num:804-550-4346

Emergency Phone Num:803-554-1229/800-424-9300(CHEMTREC)

Resp. Party Other MSDS Num.:585

Chemtrec Ind/Phone:(800)424-9300

CAGE:TO371

=== Contractor Identification ===

Company Name:ALBRIGHT AND WILSON COMPANY,ENVIRONMENTAL SERVICES

Box:26229

City:RICHMOND

State:VA

ZIP:23260-6229

Country:US

Phone:804-550-4346/803-554-1229

CAGE:TO371

Company Name:WALTRON LTD

Address:50 TANNERY RD

Box:70

City:WHITEHOUSE

State:NJ

ZIP:08888-0070

Country:

US

Phone:908-534-5654/FAX: 908-534-5694

Contract Num:SP0450-99-M-C660

CAGE:71229

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

Ingred Name:PHOSPHORIC ACID (SARA 313) (CERCLA)

CAS:7664-38-2

RTECS #:TB6300000

= Wt:75.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3/3 STEL; 9596

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

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

Routes of Entr

y: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:TARGET ORGANS:ALL TISSUES. ACUTE-  
CORROSIVE TO ALL TISSUES. TOXIC BY INHALATION. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:RESPIRATORY, SKIN AND EYE IRRITATION., BURNS,  
DIFFICULTY IN BREATHING, PAIN, NAUSEA, VOMITING, COUGHING

Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:GET IMMEDIATE MEDICAL ATTENTION. EYES/SKIN:IMMEDIATELY FLUSH  
WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED:MOVE TO FRESH  
AIR. PROVIDE CPR/OXYGEN IF NECESSARY. INGESTION: IF CONSCIOUS, GIVE  
LAR GE QUANTITIES OF MILK OR WATER. DO NOT INDUCE VOMITING. CALL A  
PHYSICIAN IMMEDIATELY. SKIN: WASH WITH SOAP AND WATER. IF  
WIDESPREAD CONTACT, REMOVE CONTAMINATED CLOTHING UNDER SAFETY  
SHOWER AND WASH EXPOSED AREA WITH SOAP & WATER.

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

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Fire Fighting Procedures:FIRE FIGHTERS MUST USE RECOMMENDED PROTECTIVE EQUIPMENT SELF CONTAINED BREATHING APPARATUS. COOL STORAGE DRUMS WITH WATER SPRAY. THIS MATERIAL WILL NOT BURN.

Unusual Fire/Explosion Hazard:NONE KNOWN.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. DIKE SPILL WITH SAND OR CLAY T

O KEEP IT OUT OF SEWER SYSTEM. COVER WITH HYDRATED LIME OR SODA ASH. REQUIRES GOOD VENTILATION AS CO2 IS PRODUCED. SCRAPE UP AND REMOVE. REPOR T SPILL TO NATIONAL RESPONSE CENTER: 800-424-8802.

Neutralizing Agent:SODA ASH, LIME

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE, IN CLOSED CONTAINERS AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:WARNING! CORROSIVE. KEEP OUT OF REACH OF CHILDREN. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID BREATHING MISTS OR VAPORS. WASH THOROUGHLY AFTER HANDLING. DO NOT INGEST. READ LABEL INSTRUCTIONS C AREFULLY.

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

Respiratory Protection:APPROVED RESPIRATORY PROTECTIVE EQUIPMENT MUST BE USED WHEN VAPOR OR MIST CONCENTRATIONS EXCEED APPLICABLE STANDARDS..

Ventilation:NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

Protect

ive Gloves:IMPERVIOUS GLOVES

Eye Protection:CHEMICAL TYPE GOGGLES AND FACE SHIELD

Other Protective Equipment:PROTECTIVE CLOTHING SUCH AS UNIFORMS,COVERALLS,LAB COATS SHOULD BE WORN. IMPERVIOUS GLOVES AND APRONS MUST BE WORN. WHEN HANDLING LARGE QUANTITIES, IMPERVIOUS SUITS AND BOOTS MUST BE WORN.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH BEFORE EATING OR DRINKING.

Supplemental Safety and Health

AVOID INHALATION OF VAPORS OR

MIST AND PERSONAL CONTACT.

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

HCC:C1  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:=135.C, 275.F  
Melt/Freeze Pt:=-21.C, -5.8F  
Vapor Pres:5.7 @ 68F  
pH:1.0  
Viscosity:51.4 SUS@100F  
Solubility in Water:COMPLETE  
Appearance and Odor:CLEAR, COLORLESS LIQUID - ODORLESS

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

Stability Indicator/Materials to Avoid:YES  
REACTION OF THE MATERIAL WITH ACTIVE METALS LIKE ALUMINUM, Z  
INC, IRON,  
ETC.,CAN LIBERATE HYDROGEN  
Stability Condition to Avoid:NONE  
Hazardous Decomposition Products:PHOSPHORUS OXIDES.

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

Toxicological Information:PEL AND TLV= 1 MG/M3. STEL= MG/M3

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

Waste Disposal Methods:DISPOSE OF WASTE AT AN APPROPRIATE WASTE  
DISPOSAL FACILITY IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS  
AND REGULATIONS.

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

SARA Title III Information:THIS MATERIAL CONTAINS THE FOLLOWING TOXIC  
CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SEC 313 OF EPCRA  
40 CFR 372 = PHOSPHORIC ACID 7664-38-2, 75%.  
State Regulatory Information:CALIFORNIA: THIS PRODICT MAY CONTAIN A  
CHEMICAL KNOW TO THE STATE OF CA TO CAUSE CANCER, OR BIRTH DEFECTS  
OR OTHER REPRODUCTIVE HARM.

===== Other Information =====

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rovided with this information by the compiling agencies):

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