

ALBRIGHT AND WILSON AMERICAS -- PHOSPHORUS,AMORPHOUS,RED -- 6810-01-272-4674

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Product Identification
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Product ID:PHOSPHORUS,AMORPHOUS,RED
MSDS Date:09/25/1989
FSC:6810
NIIN:01-272-4674
MSDS Number: BLLYF
=== Responsible Party ===
Company Name:ALBRIGHT AND WILSON AMERICAS
Address:2 GIBBS ROAD
City:ISLINGTON
State:ON
Country:CA
Info Phone Num:416-239-7111
Emergency Phone Num:613-996-6666
(CANADA)/800-424-9300
Preparer's Name:D. B. MORRIS
CAGE:1C663
=== Contractor Identification ===
Company Name:ALBRIGHT AND WILSON AMERICAS
Address:2070 HADWEN ROAD
Box:City:MISSISSAUGA
State:ON
Country:CA
Phone:613-996-6666 (CANADA)/800-424-9300
CAGE:1C663

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Composition/Information on Ingredients
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Ingred Name:PHOSPHOROUS (YELLOW) (SARA III)
CAS:7723-14-0
RTECS #:TH3500000
Fraction by Wt: 98%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.1 MG/M3; 9192

EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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Hazards Identification
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LD50 LC50 Mixture:LD50 IS > 10,000 MG/KG (NON-TOXIC)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-EYES:MECHANICAL
IRRITANT.SKIN:CAUSES SEVERE BURNS IF IGNITED.INHALATION:DUST MAY
IRRITATE.INGESTION:NOT TOXIC.CHRONIC-NOT KNOWN.
Effects of Overexposure:MECHANICAL IRRITATION OF EYES, T

HROAT AND

RESPIRATORY TRACT.

Medical Cond Aggravated by Exposure:DUST MAY AGGRAVATE PRE-EXISTING
RESPIRATORY DISORDERS.

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First Aid Measures
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First Aid:GET MEDICAL ATTENTION.INHALATION:REMOVE TO FRESH
AIR.EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES HOLDING
EYELIDS OPEN.SKIN:REMOVE CONTAMINATED CLOTHING.WASH SKIN WITH SOAP
AND WATER.INGESTION:NOT TOXIC.GET MEDICAL HELP.

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Fire Fighting Measures
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Flash Point:NOT RELEVANT

Autoignition Temp:Autoignition Temp Text:500F

Extinguishing Media:USE WATER AS FINE MIST OR FOG. DO NOT USE JET OF
HIGH PRESSURE WATER. COVER WITH SAND (NOT WITH SAND LIME MIXTURE).

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:PHOSPHORUS PENTOXIDE (P2O5) - AN IRRITANT
WHICH A

BSORBS WATER TO BECOME PHOSPHORIC ACID (H3PO4) WHICH IS
CORROSIVE. DUST IS SENSATIVE TO STATIC DISCHARGE.

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Accidental Release Measures
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Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. DAMPEN
SPILLED MATERIAL. TRANSFER TO METAL CONTAINERS AND SEAL. COVER
RESIDUES WITH WET LIME-FREE SAND. REPORTABLE QUANTITY IS 1 POUND.

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Handling and Storage
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Handling and Storage Precautions:STORAGE-STORE
AWAY FROM OXIDIZING

SUBSTANCES,FLAMMABLE LIQUIDS & ALKALIES.

Other Precautions:USE NON-SPARKING TOOLS. GROUND EQUIPMENTS TO AVOID
STATIC DISCHARGES. AVOID DUST-FORMING CONDITIONS AND DUST BUILD-UP,
BECAUSE OF FIRE OR DUST EXPLOSION HAZARD. AVOID SMOKING, SPARKS,
FRICTION OR IMPA CT.

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Exposure Controls/Personal Protection
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Respiratory Protection:USE NIOSH/MSHA APPROVED DUST RESPIRATOR OR SELF
CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL/MECHA

NICAL (NON-SPARKING) EXHAUST TO MAINTAIN
PEL/TLV.

Protective Gloves:RUBBER OR PLASTIC

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, FLAME
RETARDANT CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

HCC:F8

Boiling Pt:B.P. Text:416CSUBLIME

Vapor Density:4.77

Spec Gravity:2.34

Solubility in Water:INSOLUBLE

Appearance and Odor:FINE RED/PURPLE POWDER - SLIGHT FISHY ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS,AL AND MG POWDERS, ALKALIES(->HIGHLY FLAMMABLE
& TOXIC PH3), WATER

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES

Hazardous Decomposition Products:PHOSPHINE IS SLOWLY RELEASED IN WET
ALKALINE CONDITIONS. MAY REVERT TO YELLOW PHOSPHORUS(VER

Y TOXIC) AT

HIGH TEMPERATURE

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

Waste Disposal Methods:CONSULT SUPPLIER REGARDING RECOVERY AND DISPOSAL
OF SPILLED OR WASTE MATERIAL OR CONSULT LOCAL, STATE OR FEDERAL
AUTHORITIES.

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