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MATERIAL SAFETY DATA SHEET:  
POTASSIUM PHOSPHATE, DIBASIC  
CATALOG NUMBER: AB01650

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SECTION I - INGREDIENTS

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PRODUCT: POTASSIUM PHOSPHATE, DIBASIC  
GRADE: ACS/USP  
NIOSH (RTECS) NUMBER: 1002091KP  
CAS NUMBER: 7758-11-4  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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SECTION II - PHYSICAL/CHEMICAL CHARACTERISTICS

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APPEARANCE AND ODOR: WHITE CRYSTALLINE POWDER  
SOLUBILITY IN WATER: VERY SOLUBLE  
FORMULA: K<sub>2</sub>HPO<sub>4</sub>  
FORMULA WEIGHT: 174.18

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SECTION III - FIRE AND EXPLOSION HAZARD DATA

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EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM.  
SPECIAL FIRE FIGHTING PROC: WEAR NIOSH/MSHA APPROVED SCBA AND FULL  
PROTECTIVE EQUIPMENT (FP N).  
UNUSUAL FIRE AND EXPL HAZRDS: NONE.

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SECTION IV - REACTIVITY DATA

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STABILITY: YES  
COND TO AVOID (STABILITY): NONE.  
MATERIALS TO AVOID: STRONG OXIDIZERS.  
HAZARDOUS DECOMPOSITION PRODUCTS: ACRID SMOKE ANDD FUMES MAY EMIT FUMES  
OF PHOSPHATES.  
HAZARDOUS POLY OCCUR: NO  
CONDITIONS TO AVOID (POLY): NOT RELEVANT

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SECTION V - HEALTH HAZARD DATA

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LD50-LC-50 MIXTURE: NONE SPECIFIED BY MANUFACTURER.  
ROUTE OF ENTRY - INHALATION: YES  
ROUTE OF ENTRY - SKIN: YES  
ROUTE OF ENTRY - INGESTION: YES  
HEALTH HAZ ACUTE AND CHRONIC: ACUTE: CAN BE IRRITATING TO SKIN, EYES AND  
MUCOUS MEMBRANES. SIGNS/SYMPs OF EXPOS: MODERATE TO SEVERE ERYTHEMA,  
(REDNESS) AND MODERATE EDEMA (RAISED SKIN).  
CARCINOGENICITY - NTP: NO  
CARCINOGENICITY - IARC: NO  
CARCINOGENICITY - OSHA: NO  
EXPLANATION CARCINOGENICITY: NOT RELEVANT

SIGNS/SYMPTOMS OF OVEREXP: SEE HEALTH HAZARDS.  
MED COND AGGRAVATED BY EXP: NONE SPECIFIED BY MANUFACTURER.  
EMERGENCY/FIRST AID PROC: SKIN: REMOVE CONTAMD CLTHG, RINSE LIBERALLY W/SOAP & WATER FOR A CONSIDERED PERIOD. PRDCES SEV CAUSTIC BURNS/GEN DISORDERS, TAKE TO A HOSP. CALL A DR. INGEST: RINSE MOUTH SEVERAL TIMES W/ WATER, DO NOT SWALLOW. DRINK 1-2 GLASSES OF WATER. IN CASE OF IMMINENT UNCON CLEAR RESP TRACT & LAY ON SIDE IN A STABLE POSITION. CALL A PHYSICIAN. EYES: RINSE LIBERALLY WITH WATER FOR AT LEAST 15 MINUTES.

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#### SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE

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STEPS IF MATERIAL IS RELEASED OR SPILLED: SWEEP INTO SUITABLE CONTAINER FOR DISPOSAL. AVOID MOISTURE.  
NEUTRALIZING AGENT: NONE SPECIFIED BY MANUFACTURER.  
WASTE DISPOSAL METHOD: INCINRATE OR LANDFILL AS COMPLIES WITH STATE, FEDERAL AND LOCAL LAWS.  
PRECAUTIONS-HANDLING/STORING: ROOM TEMPERATURE, KEEP WELL CLOSED.  
OTHER PRECAUTIONS: NONE SPECIFIED BY MANUFACTURER.

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#### SECTION VII - CONTROL MEASURES

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RESPIRATORY PROTECTION: USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).  
VENTILATION: LOCAL EXHAUST REQUIRED.  
PROTECTIVE GLOVES: IMPERVIOUS GLOVES (FP N).  
EYE PROTECTION: CHEMICAL SAFETY GOGGLES (FP N).  
OTHER PROTECTIVE EQUIPMENT: USE A HOOD.  
WORK HYGIENIC PRACTICES: NONE SPECIFIED BY MANUFACTURER.  
SUPPL. SAFETY & HEALTH DATA: FIRST AID PROC: MIN. CALL A DR/TAKE PATIENT TO A HOSP. INHALATION: TAKE PATIENT INTO FRESH AIR AND ALLOW TO REST. IN CASE OF IMMINENT UNCONCIOUS CLEAR RESP TRACT AND LAY PATIENT ON SIDE IN A STABLE POSITION. CALL A PHYSICIAN.

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#### SECTION VIII - LABEL DATA

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LABEL REQUIRED: YES  
COMMON NAME: POTASSIUM PHOSPHATE, DIBASIC  
CHRONIC HAZARD: NO  
SIGNAL WORD: WARNING!  
ACUTE HEALTH HAZARD-SLIGHT: X  
CONTACT HAZARD-MODERATE: X  
FIRE HAZARD-NONE: X  
REACTIVITY HAZARD-NONE: X  
SPECIAL HAZARD PRECAUTIONS: ACUTE: CAN BE IRRITATING TO SKIN, EYES AND MUCOUS MEMBRANES. MAY CAUSE MODERATE TO SEVERE REDNESS AND MODERATE EDEMA TO SKIN. PROTECT EYE: Y  
PROTECT SKIN: Y  
PROTECT RESPIRATORY: Y

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