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MATERIAL SAFETY DATA SHEET:  
POTASSIUM PHOSPHATE, MONOBASIC  
CATALOG NUMBER: AB01660

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SECTION I - INGREDIENTS

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PROPRIETARY: NO  
INGREDIENT: POTASSIUM PHOSPHATE, MONOBASIC  
PERCENT: 99-100%  
NIOSH (RTECS) NUMBER: 1002090PP  
CAS NUMBER: 7778-77-0

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SECTION II - PHYSICAL/CHEMICAL CHARACTERISTICS

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APPEARANCE AND ODOR: WHITE CRYSTALLINE POWDER, ODORLESS.  
SPECIFIC GRAVITY: 2.34  
SOLUBILITY IN WATER: APPRECIABLE  
PERCENT VOLATILES BY VOLUME: 0%  
MAGNETISM (MILLIGAUSS):

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SECTION III - FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT METHOD: CC  
EXTINGUISHING MEDIA: USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING  
FIRE.

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SECTION IV - REACTIVITY DATA

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STABILITY: YES  
COND TO AVOID (STABILITY): MOISTURE  
HAZARDOUS DECOMP PRODUCTS: OXIDES OF PHOSPHORUS  
HAZARDOUS POLY OCCUR: NO

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SECTION V - HEALTH HAZARD DATA

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ROUTE OF ENTRY - INHALATION: NO  
ROUTE OF ENTRY - SKIN: NO  
ROUTE OF ENTRY - INGESTION: NO  
HEALTH HAZ ACUTE AND CHRONIC: SKIN/EYES: IRRITATION.  
CARCINOGENICITY - NTP: NO  
CARCINOGENICITY - IARC: NO  
CARCINOGENICITY - OSHA: NO  
EXPLANATION CARCINOGENICITY: NONE  
EMERGENCY/FIRST AID PROC: INGESTION: IF CONSCIOUS, IMMEDIATELY GIVE LARGE  
AMOUNTS OF WATER. INHALATION: REMOVE TO FRESH AIR. SKIN: IMMEDIATELY WASH  
W/PLENTY OF SOAP & WATER FOR AT LEAST 15 MINS. EYES: IMMEDIATELY FLUSH  
W/PLENTY OF WATER FOR AT LEAST 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE

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STEPS IF MATL RELEASED/SPILL: WEAR SUITABLE PROTECTIVE CLOTHING. CAREFULLY SWEEP UP & REMOVE. WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE W/ALL APPLICABLE FEDERAL, STATE, & LOCAL ENVIRONMENTAL REGULATIONS. PRECAUTIONS-HANDLING/STORING: SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA. MATERIAL IS HYGROSCOPIC. KEEP IN TIGHTLY CLOSED CONTAINER WHEN NOT IN USE. OTHER PRECAUTIONS: AVOID CONTACT W/EYES, SKIN, & CLOTHING. THIS CHEMICAL MAY INTERACT W/OTHER SUBSTANCES. READ ALL PRECAUTIONARY INFORMATION. USER IS RESPONSIBLE FOR DETERMINING THE PRECAUTIONS & DANGERS OF THIS CHEMICAL FOR HIS OR HER PARTICULAR APPLICATION.

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#### SECTION VII - CONTROL MEASURES

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RESPIRATORY PROTECTION: NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, USE AN APPROPRIATE RESPIRATOR OR DUST MASK. VENTILATION: GENERAL OR LOCAL EXHAUST: ADEQUATE TO KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE. PROTECTIVE GLOVES: RECOMMENDED EYE PROTECTION: SAFETY GOGGLES, EYE/FACE GUARDS OTHER PROTECTIVE EQUIPMENT: PROTECTIVE CLOTHING, LAB COATWORK HYGIENIC PRACTICES: WASH THOROUGHLY AFTER HANDLING.

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#### SECTION VIII - LABEL DATA

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LABEL REQUIRED: YES  
LABEL STATUS: F  
COMMON NAME: POTASSIUM PHOSPHATE MONOBASIC  
CHRONIC HAZARD: NO  
SIGNAL WORD: CAUTION!  
ACUTE HEALTH HAZARD-NONE: X  
CONTACT HAZARD-SLIGHT: X  
FIRE HAZARD-NONE: X  
REACTIVITY HAZARD-NONE: X  
SPECIAL HAZARD PRECAUTIONS: SKIN/EYES: IRRITATION. SUSPECTED CARCINOGEN BY ACGIH: CARBON BLACK.  
PROTECT EYE: Y  
PROTECT SKIN: Y  
PROTECT RESPIRATORY: Y

REVISION DATE 5/12/04