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PRODUCT CODE: S-PLAIN PHOS      PRODUCT NAME: PLAIN PHOSPHORUS SOLUTION  
This form may be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

IDENTITY (As Used on Label and List): PLAIN PHOSPHORUS SOLUTION

SECTION I - Product Identification

MANUFACTURERS NAME AND ADDRESS:

Farnam Companies, Inc.  
301 West Osborn Road  
Phoenix, AZ. 85013

TELEPHONE NUMBERS:

Emergency: (602)285-1660  
Emergency: (602)234-2269  
Information: (602)285-1660

Date Entered: 04/16/98  
Last Revision: 08/31/98  
MSDS Printed: 09/03/98

SYNONYMS:

CHEMICAL FAMILY: Compound

HAZARD LABEL: None

MOLECULAR FORMULA:

MOLECULAR WEIGHT: NE or NA

SECTION II - Hazardous Ingredients/Identity Information

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY/COMMON NAME)	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS	PERCENTAGE
AMMONIUM MOLYBDATE	13106-76-8				0.543
Hydrochloric acid (Hydrogen chloride)	7647-01-0				10.208

SECTION III - Physical/Chemical Characteristics

BOILING POINT: 212.0 deg.F  
MELTING POINT: NE or NA

SPECIFIC GRAVITY (Water = 1): 1.002

VAPOR PRESSURE (mm Hg): . . .

NE or NA

VAPOR DENSITY (Air=1): . . . >1

NE or NA

EVAPORATION RATE: . . . . . <1

NE or NA

(Butyl Acetate=1)

SOLUBILITY IN WATER: . . . . .

soluble

PERCENT VOLATILE: . . . . .

NE or NA

PHYSICAL STATES: [ ] Gas  
[ X ] Liquid  
[ ] Solid

APPEARANCE AND ODOR:

clear, slight chlorine odorous aqueous solution

SECTION IV - Fire and Explosion Hazard Data

FLASH PT: NE or NA

METHOD USED:

EXTINGUISHING MEDIA:

NA

EXPLOSIVE LIMITS:

LEL: NE

UEL: NE

SPECIAL FIRE FIGHTING PROCEDURES:

none known

UNUSUAL FIRE AND EXPLOSION HAZARDS:

none known

SECTION V - Reactivity Data

STABILITY: Unstable [ ] Stable [ X ]

CONDITIONS TO AVOID (Instability):

heat

INCOMPATIBILITY (MATERIALS TO AVOID):

alkaline substances

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

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HAZARDOUS POLYMERIZATION: May occur [ ] Will not occur [ X ]

CONDITIONS TO AVOID (Hazardous Polymerization):  
will not occur

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## SECTION VI - Health Hazard Data

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ROUTE(S) OF ENTRY: Inhalation? Skin? Y Eyes? Y Ingestion? Y Other:

HEALTH HAZARDS (Acute and Chronic):

NE

CARCINOGENICITY: NTP? IARC Monographs? OSHA Regulated?

RECOMMENDED EXPOSURE LIMITS: NE

LD 50/LC 50: NE

SIGNS AND SYMPTOMS OF EXPOSURE:

May cause coughing, choking, inflammation and ulceration of respiratory tract may occur. Corrosion of mucous membranes, esophagus, stomach, dysphagia, nausea, vomiting and diarrhea.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

NE

EMERGENCY AND FIRST AID PROCEDURES:

IF INGESTED: Immediately call a physician. Do NOT induce vomiting. Give at once large amounts of milk or water containing Milk of Magnesia, whites of eggs beaten up with water or olive oil. Avoid carbonates. Give no emetics.

IF INHALED: Remove to fresh air. Contact physician if irritation persists.

IF IN EYES: Immediately flush eyes with plenty of water. Seek medical attention if irritation persists.

IF ON SKIN: Wash area with soap and water. Call a physician if irritation persists.

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## SECTION VII - Precautions for Safe Handling & Use

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Spills or leaks should be flushed away by flooding with water applied quickly to the entire area. Minor spill: neutralize the washings with lime or soda ash.

WASTE DISPOSAL METHOD:

Dispose of in accordance with local, State and Federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

HAZARD LABEL INFORMATION:

Protect from freezing. Store in original closed container in a cool, dry place inaccessible to children and pets. CAUTION: CORROSIVE

OTHER PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN

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## SECTION VIII - Control Measures

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PROTECTIVE EQUIPMENT SUMMARY - HAZARD LABEL INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): Organic Vapor Mask if respiratory exposure (mist) likely

VENTILATION:

LOCAL EXHAUST: sufficient

MECHANICAL (GENERAL):

SPECIAL:

OTHER:

PROTECTIVE GLOVES: Rubber

EYE PROTECTION: Goggles or face shield

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Adequate to protect from splashes

WORK/HYGIENIC/MAINTENANCE PRACTICES:

Wash hands before eating, smoking, or using restroom.

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SECTION IX - Additional Comments

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IMPORTANT: The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.

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11/11/94