

OMEGA Engineering, Inc.  
One Omega Drive, Box 4047, Stamford, CT 06907  
203/359-7694 TELEX:996404 FAX: 203/359-7770

MATERIAL SAFETY DATA SHEET

NFPA Hazard Rating:  
Health - 0, Flammability - 0, Reactivity - 0

I. GENERAL INFORMATION -----

Code, Trade Name: PHA-7, Buffer Soln., pH 7.0  
Chemical Name: Potassium & Sodium Phosphates  
Chemical Family: Inorganic Salts

II. HAZARDOUS INGREDIENTS -----

Potassium Phosphate, Monobasic CAS #7778-77-0 < 2% W/V  
TLV/PEL: Not Established TXDS: Not Established  
\* Sodium Phosphate, Dibasic CAS #7558-79-4 < 3% W/V  
TLV/PEL: Not Established TXDS: orl-rat LD50: 17 g/kg

Carcinogenicity: None of the above listed (IARC).

III. HEALTH HAZARD DATA -----

Contact can irritate eyes, skin, mucous membranes, nasal and respiratory tract. Ingestion may irritate GI tract.  
Routes of Entry: Ingestion.

First Aid:

Eyes: Flush with water for at least 15 min; get immediate medical assistance.  
Skin: Remove contaminated clothing and wash with soap and water.

Inhalation: Remove to fresh air & give artificial respiration if breathing has stopped.

Ingestion: Get immediate medical attention.

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVER EXPOSURE!

IV. PHYSICAL DATA -----

Boiling Point: N/A Specific Gravity: 1.05  
Vapor Density: N/A  
Water Solubility: Soluble  
Appearance & Odor: Clear, colorless or green liquid

V. FIRE & EXPLOSION HAZARD DATA -----

Flash Point: Nonflammable  
Extinguishing Media: Use media compatible with surrounding material.  
Special Procedures: Wear self contained breathing apparatus and protective clothing if necessary.  
Unusual Fire & Explosion Hazards: None indicated.  
Thermal decomposition can produce toxic fumes.

VI. REACTIVITY DATA -----

Conditions To Avoid: None indicated.  
Hazardous Combustion & Decomposition Products:  
Oxides of phosphorous, K<sub>2</sub>O, Na<sub>2</sub>O

VII. SPECIAL PROTECTION -----

Provide adequate general and local exhaust ventilation.  
Protect eyes and skin with safety goggles and gloves.  
Do not get in eyes, on skin or clothing.  
Wear self contained breathing apparatus in high vapor areas.  
Do not breathe vapors or dust.

VIII. HANDLING AND STORAGE PRECAUTIONS -----

Keep container tightly closed.  
Store in cool, dry, well ventilated area.  
Keep away from ignition source, acids, oxidizers.  
Wash thoroughly after handling.  
Empty containers may be hazardous due to retained residue.

DOT - Not Regulated

IX. ENVIRONMENTAL PROTECTION -----

Spill Response: Absorb with sand or vermiculite and scoop up and containerize for proper disposal.

Waste Disposal: Comply with all local, state and federal regulations.

\* Toxic chemical or chemicals subject to the reporting requirements of section 313, SARA Title III.

The above information is to be used only as a guide, and does not profess to be all inclusive. OMEGA Engineering, Inc. shall not be held liable for any damage resulting from the handling or contact with the above product.

N/A = Not Available

Issue Date: 8/87

Revised: 5/98,10/04