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MATERIAL SAFETY DATA SHEET

NFPA Hazard Rating:  
Health - 1, Flammability - 0, Reactivity - 0

I. GENERAL INFORMATION -----

Code, Trade Name: PHA-10, Buffer Soln., pH 10.0  
Chemical Name: Sodium Borate, Decahydrate in Water  
Chemical Family: Inorganic Salt in Water

II. HAZARDOUS INGREDIENTS -----

Sodium Tetraborate, CAS #1303-96-4 0.5% W/V  
TLV/PEL: TWA: 5 mg/cu.m TXDS: orl-hmn LDLo: 709 mg/kg

Carcinogenicity: None of the above are listed (IARC).

III. HEALTH HAZARD DATA -----

May be harmful if swallowed or inhaled. May irritate eyes, skin, nasal and respiratory passages. Prolonged contact may cause allergic reaction. Ingestion may cause nausea and vomiting, headache, hair loss, and shock.  
Routes of Entry: Ingestion, Inhalation.

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

Ingestion: If conscious induce vomiting. Get medical help.

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVER EXPOSURE!

IV. PHYSICAL DATA -----

Boiling Point: N/A Specific Gravity: 1.0  
Vapor Density: N/A  
Water Solubility: Miscible  
Appearance & Odor: Clear, colorless or blue liquid

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

Flash Point: Nonflammable  
Extinguishing Media: Dry chemical  
Special Procedures: Wear self contained breathing apparatus and protective clothing if necessary.  
Unusual Fire & Explosion Hazards: None indicated.

VI. REACTIVITY DATA -----

Conditions To Avoid: None indicated.  
Hazardous Combustion & Decomposition Products:  
N/A

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 mist.

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.

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  
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