



MATERIAL SAFETY DATA SHEET

1. INGREDIENTS/APPLICATION

LK CHEM 2011 Boiler PH Booster
Synonyms Boiler Ph booster
OSHA PEL: Not Available
ACHIH TLV: Not Available
Other Exposure Limits: None Available
CAS No.: Not Applicable

2. PHYSICAL DATA

Boiling Point: 100°C
Freezing Point: 0°C
Vapor Pressure: 18 mm (Hg) @ 20°C
Vapor Density (Air = 1): Not Available
Solubility in Water: Complete
Specific Gravity (Water = 1): 1.20
PH: 14
Appearance: Clear Colorless solution.
Odor: Slight amine odor.

3. FIRE AND EXPLOSION DATA

Flash Point: Not Flammable
Flammable Limits: Not Flammable
Auto-ignition: Not Applicable, water solution
Extinguisher Media: Water, CO₂, Foam
Special Fire Fighting Procedures: Respiratory protection is required when fighting fire.
Unusual Fire and Explosion Hazards: Product is not flammable but will decompose in fire. Decomposition products may be toxic.

4. REACTIVITY DATA

Stability: Normally stable
Incompatibility (Materials to Avoid): Strong bases and oxidizing agents
Hazardous Decomposition Products: carbon monoxide and carbon dioxide and oxides of phosphorus may be produced in the presence of heat after water is removed.
Hazardous Polymerization: Will not occur

5. HEALTH HAZARDS

Signs and Symptoms of Exposure: Oral ingestion may cause gastrointestinal irritation, nausea or diarrhea. Chemical irritates eyes and skin.
Physiological Effects:
Oral: LD₅₀: rat > 5 g/kg **Skin:** LD₅₀: rabbit > 5 g/kg
Eye: Not available
Medical Conditions Aggravated by Exposure: None known

L K CHEMICALS

Certified by ISO 9001:2008

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6. ROUTES OF ENTRY AND FIRST AID

Inhalation: Remove to fresh air.

Eyes: Immediately flush with water for at least 15 minutes and seek medical attention.

Skin: Wash with mild soap and water, launder clothes.

Ingestion: If conscious, give two glasses of water and seek medical attention. Do not induce vomiting.

7. SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Transportation

Designation: No hazardous designation

Container: Polyethylene recommended

Storage: Store in tightly closed containers away from water and incompatible materials. Avoid freezing and high temperatures. Avoid eye contact and prolonged skin exposure.

Other Precautions: Do not breathe mists. Do not taste or swallow. Wash thoroughly after handling and before eating, drinking, or smoking.

Steps to Take in Case of Spill: Confine large spills by drinking, etc. Dilute spills with water and flush to sanitary sewer.

Waste Disposal: Sewer, bury or incinerate in approved site in accordance with federal, state, and local regulations.

8. PERSONAL PROTECTION

Ventilation: Normal ventilation usually adequate.

Respiratory Protection: None normally required.

Skin Protection: Rubber gloves and safety apron recommended.

Eye Protection: Face shield or safety goggles recommended.

9. NOTES

Although the information herein is believed to be correct; **L K Chemicals** makes no representation as to the completeness or accuracy of this information; and no warranty, expressed or implied, is made. Consult **LK Chemicals** for further information

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