MATERIAL SAFETY DATA SHEET

THE KJELL CORPORATION
P.O. BOX 834
BELOIT, WISCONSIN  53512-0834
(800) 356-0422    (508) 755-0422

Product Name: AQUA MAG

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PRODUCT INFORMATION

Synonyms: Blended sodium phosphate
Chemical Family: Liquid phosphate blend
Formula: Proprietary
Maximum Use: 23.4 mg/L

HAZARD RATING
0 - MINIMAL HAZARD  1 - SLIGHT HAZARD
2 - MODERATE HAZARD  3 - SERIOUS HAZARD
4 - SEVERE HAZARD

PROTECTION INDEX
A - EYES    B - HANDS
C - RESPIRATORY    D - BODY

Note: Use of an asterisk (*) or other designation indicates that there may be chronic health effects present. See safety data on the product.

PRECAUTIONARY INFORMATION
Precautionary Statement: No significant health effects reported from manufacturing locations
(As defined by OSHA Hazard Communications Standard)

INGREDIENTS / COMPONENTS
Chemical Identity: Sodium ortho/polyphosphate
OSHA PEL: Not established
ACGIH TLV: Not established
CAS #: Not assigned to blends
Hazard Class: None
Water: Not established

PHYSICAL DATA
Boiling Point: Above 100°C
Melting Point: Not applicable
Vapor Pressure: Not applicable
Vapor Density (Air = 1): Not applicable
Specific Gravity (H2O = 1): 1.357 ± 0.01
Evaporation Rate (Butyl Acetate = 1): Non-volatile
Solubility in Water by Weight: Complete
pH (neat): 5.2 ± 0.5
Appearance: Clear liquid
Odor: Slight
FIRE AND EXPLOSION DATA

Flash Point: Non-combustible
Flammable Limits
   Upper: Not applicable
   Lower: Not applicable
Extinguishing Media:
   Not applicable
Special Fire Fighting Procedures:
   Not applicable
Unusual Fire & Explosion Hazards:
   None

REACTIVITY DATA

Stability: Stable
Incompatibility:
   Concentrated chlorine and concentrated mineral acids
Hazardous Polymerization:
   Will not occur
Conditions to Avoid:
   Direct mixing of concentrates of chlorine and mineral acids
Hazardous Decomposition By-products:
   Heat and sulfur dioxide

HEALTH HAZARD DATA

Routes of Exposure
   Eyes: No published data
   Skin Contact: No published data
   Skin Absorption: No published data
   Inhalation: No published data
   Ingestion: No published data

Effects of Overexposure
   Acute Exposure: No published data
   Chronic Exposure: When good industrial hygiene practices are followed, no significant inhalation hazard or skin irritation

Other Health Effects
   Medical Conditions: None known
   Carcinogenic Potential
      NTP Annual Report: Not listed
      IARC Monographs: Not listed
      OSHA 29CFR Part 1910 Sub z: Not listed

Additional Regulatory Information
   FDA: GRAS list; permitted in food
   USDA: Listed as acceptable if followed by a potable water rinse
   NSF International: Certified to meet ANSI/NSF Standard 60
   Underwriters Laboratories: Certified to meet ANSI/NSF Standard 60
Emergency and First-Aid Procedures

Eyes: Flush with water. If irritation occurs seek medical attention.

Skin: Wash with water. If irritation occurs seek medical attention.

Inhalation: Remove from exposure.

Ingestion: Rinse mouth and dilute stomach contents with water or milk if available.

Decontamination Procedure: Wash with water.

Notes to Physician: Large doses may cause nausea and diarrhea.

STORAGE AND HANDLING

Spill or Leak Procedures: Material should be wiped up for salvage or disposal. Flush with water.

Waste Disposal Method: If not salvaged, dispose in a landfill in accordance with local, state, and federal regulations.

Precautions in Storing: Should be stored in clean area for quality assurance. Keep container closed when not in use. Protect from freezing and extreme heat.

SPECIAL PROTECTION

Respiratory: None required

Eye: Not mandatory

Protective Gloves: Not mandatory

Clothing & Equipment: No special requirements

Ventilation Requirements: No special requirements

Work/Hygiene Practices: Follow good industrial hygiene practices.

TRANSPORTATION DATA

DOT Proper Shipping Name: Sodium phosphate solution

DOT Classification: Not regulated under 49CFR 172.101

DOT Labels: Not required

DOT Placards: Not required

Emergency Accident Precautions & Procedures: Not hazardous. See instructions above for release or spill.

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