



**Product name** Clear Spa<sup>104</sup> Spa Solutions Spa Phos

**Revision date** 5-15-15

#### Section 4 First - aid measures

**Inhalation:** In the improbable event of product mist inhalation, remove the affected individual to fresh air and provide artificial respiration as required. Obtain medical attention.

**Eye Contact:** Flush thoroughly with water for 5 minutes. Obtain medical attention if irritation of eye membranes occurs.

**Skin Contact:** Wash contacted areas with soap and water.

**Ingestion:** Drink several glasses of water. Obtain medical attention if gastrointestinal irritation occurs.

After first aid, get appropriate in-plant, paramedic, or community medical support if exposure symptoms persist.

**Note to Physicians:** Under normal use and human exposure conditions, the product is considered nontoxic and nonhazardous.

#### Section 5 Fire - fighting measures

**Flash Point:** None

**Burning Rate:** N/A

**LEL:** N/A

**Flammability Classification:** N/A

**Flash Point Method:** N/A

**Autoignition Temperature:** N/A

**UEL:** N/A

**Extinguishing Media:** N/A

**Unusual Fire or Explosion Hazards:** None.

**Hazardous Combustion Products:** Thermal oxidative decomposition of the product may release toxic fumes of hydrogen chloride and metal oxide.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

#### Section 6 Accidental release measures

**Spill /Leak Procedures:**

**Small & Large Spills:**

**Containment:** For all spills, pick up mechanically and place in suitable container for disposal. Do not release into sewers or waterways.

**Cleanup:** After product recovery and removal, flush spill area with water to a sanitary sewer.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

#### Section 7 Handling and storage

**Handling Precautions:** Wear appropriate eye and glove protection to minimize exposure.

**Storage Requirements:** Do not store with oxidizing materials. Keep containers sealed.

**Regulatory Requirements:** None established

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### Section 8 Exposure controls / personal protection

#### Engineering Controls

**Ventilation:** In the improbable event of product misting, provide general or local exhaust ventilation systems to mini-mize airborne concentrations. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

#### Administrative Controls

##### **Respiratory Protection:**

If product misting occurs, follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working condition, level of airborne contamination, and presence of sufficient oxygen. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

##### **Protective Clothing/Equipment:**

Wear chemically protective gloves to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

##### **Safety Stations:**

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

##### **Contaminated Equipment:**

Separate contaminated work clothes from street clothes. Launder before reuse. Remove material from your shoes and clean personal protective equipment after use.

##### **Comments:**

Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. As with all chemical substances, please use caution and keep away from children.

### Section 9 Physical and chemical properties

**Physical State:** Liquid.

**Appearance and Odor:** Clear, colorless with no discernable odor.

**Odor Threshold:** N/A

**Vapor Pressure:** Not determined.

**Vapor Density (Air=1):** N/A.

**Formula Weight:** Proprietary

**Density:** 9.50 lbs./gallon, typical.

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.12

**pH:** 3.5-4.0

**Water Solubility:** Completely soluble

**Other Solubilities:** Not soluble in hydrocarbons.

**Boiling Point:** 230°F (Typical).

**Freezing Point:** ~20°F (Typical).

**Viscosity:** ~20 cPs

**Refractive Index:** N/A

**Surface Tension:** N/A

**% Volatile:** N/A

**Evaporation Rate:** N/A

### Section 10 Stability and reactivity

**Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Do not store with oxidizers or acidic agents.

**Conditions to Avoid:** Do not use as-received product with stainless steel storage containers or equipment – chloride corrosion will occur.

**Hazardous Decomposition Products:** Thermal oxidative decomposition can produce fumes of hydrogen chloride and lanthanum oxide.

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Follow applicable federal, state and local regulations

**Disposal Regulatory Requirements:** None.**Container Cleaning and Disposal:** Thoroughly clean empty containers with water and recycle.

Do not use empty containers for food storage.

**Section 14 Transport information****Shipping Name:** Chemicals NOI**Shipping Symbols:** None.**Hazard Class:** Nonhazardous.**ID No.:** None.**Packing Group:** N/A**Label:** None.**Special Provisions (172.102):** None**Packaging Authorizations****a) Exceptions:** N/A**b) Non-bulk Packaging:** N/A**c) Bulk Packaging:** N/A**Quantity Limitations****a) Passenger, Aircraft, or Railcar:** None.**b) Cargo Aircraft Only:** None.**Vessel Stowage Requirements****a) Vessel Stowage:** None.**b) Other:** N/A**Section 15 Regulatory information****EPA Regulations:****RCRA Hazardous Waste Number:** Not listed (40 CFR 261.33)**RCRA Hazardous Waste Classification (40 CFR 261):** Not classified**CERCLA Hazardous Substance (40 CFR 302.4)** unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4);

CWA, Sec. 307(a), CAA, Sec. 112

**CERCLA Reportable Quantity (RQ):** None.**SARA 311/312 Codes:** None.**SARA Toxic Chemical (40 CFR 372.65):** Not listed**SARA EHS (Extremely Hazardous Substance) (40 CFR 355):** Not listed, Threshold Planning Quantity (TPQ)**OSHA Regulations:****Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A):** Not listed**OSHA Specifically Regulated Substance (29CFR 1910):** Not listed.**State Regulations:** None.

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### Section 16 Other information

**DATE OF PREPARATION**

**5-15-2015**

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