

# Scale Control Cartridge

## *SAFETY DATA SHEET*

OSHA Hazard Communication  
Standard 29 CFR 1910.120  
Prepared to GHS Rev 3.

### SECTION 1: Identification

**Product identifier:** Scale Control Cartridge  
**CAS number:** Blend of Phosphates  
**Recommended use:** Drinking Water Treatment  
**Recommended restrictions:** None

#### **Manufacturer/Importer/Supplier/Distributor information:**

**Company Name:** Scaltrol Inc  
**Company Address:** 460 Brogdon Rd, Suite 500  
Suwanee, GA 30024  
**Company Telephone:** 678-990-0858

### SECTION 2: Hazard(s) Identification

**Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

#### **Emergency Overview**

##### **Warning**

**Causes mild skin irritation. Causes eye irritation**

**Prevention:** Wash thoroughly after handling

**Response:** IF ON SKIN. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Storage/Disposal** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Hazard Statement** Based on currently available data, the product does not meet the regulatory definition of a hazardous substance. However good industrial hygiene practices should be used in handling it.

**Inhalation**

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**Acute (Immediate)**  
**Chronic (Delayed)**

**Low acute inhalation toxicity.**  
**No data available.**

**Skin**

**Acute (Immediate)**  
**Chronic (Delayed)**

**May cause mild irritation**  
**No data available**

**Eye**

**Acute (Immediate)**  
**Chronic (Delayed)**

**May cause mild irritation**  
**No data available**

**Ingestion**

**Acute (Immediate)**

**Ingestion of large quantities may cause nausea, vomiting, diarrhea, abdominal cramps, decreased blood pressure, decreased heart rate, coma**

**Chronic (Delayed)**

**No data available**

**Carcinogenic Effects**

**This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens**

**Hazard symbol(s):**

<b>SECTION 3: Composition/Information on Ingredients</b>
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**Mixture:**

<b>Chemical name</b>	<b>Concentraton (weight %)</b>	<b>CAS#</b>
Polyphosphoric acids, sodium salts	2% to 40%	68915-31-1
Water	50% to 70%	7732-18-5
Pentasodium Triphosphate	2% to 40%	7758-29-4
Sodium Biphosphate	2% to 40%	7558-80-7

<b>SECTION 4: First-Aid Measures</b>
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- Inhalation:** Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.
- Skin contact:** Wash skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Thoroughly clean shoes before reuse. If irritation develops and persists, get medical attention.
- Eye contact:** In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. Remove contact lenses if worn. If eye irritation persists: get medical attention/advice.
- Ingestion:** If swallowed give 2-3 glasses of water if victim is conscious and alert. Do not give anything by mouth to an unconscious person. Induce vomiting (only in conscious persons). Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

**Notes to Physician**

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Ingestion of large quantities of phosphate salts (over 1.0 grams for an adult) may cause an osmotic catharsis resulting in diarrhea and probable abdominal cramps. Larger doses such as 4-8 grams will almost certainly cause these effects in everyone. In healthy individuals most of the ingested salts will be excreted in the feces with the diarrhea and, thus, no cause any systemic toxicity. Treatment should take into consideration both anionic and cationic portion of the molecule.

- Other information** Call 911 or emergency medical service. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

<b>SECTION 5: Fire-Fighting Measures</b>
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- Extinguishing Media:** Not combustible. Use extinguishing media suitable for surrounding fire.
- Firefighting Procedures:** Keep unauthorized personnel away.

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<b>Hazardous combustion products:</b>	<b>Oxides of sodium, oxides of phosphorus.</b>
<b>Protection of firefighters:</b>	<b>Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).</b>

<b>SECTION 6: Accidental Release Measures</b>
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<b>Personal precautions:</b>	<b>Do not touch or walk through spilled material.</b>
<b>Emergency procedures:</b>	<b>Wear appropriate protective gear.</b>
<b>Environmental precautions:</b>	<b>Prevent entry into waterways, sewers, basements or confined areas.</b>
<b>Containment/Cleanup:</b>	<b>Dike spill using absorbent or impervious materials such as earth, sand, or clay. Absorb with earth, sand, or other non-combustible material. Sweep or vacuum up and place in an appropriate closed container. Do not return material to its original container.</b>

<b>SECTION 7: Handling and Storage</b>
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<b>Handling:</b>	<b>Keep containers closed when not in use.</b>
<b>Storage:</b>	<b>Store in a cool, dry place.</b>
<b>Incompatible Materials:</b>	<b>None known</b>

<b>SECTION 8: Exposure Controls/Personal Protection</b>
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**Personal Protective Equipment:**

**Safety glasses    Gloves**

<b>Respiratory:</b>	<b>In case of insufficient ventilation, wear suitable respiratory equipment</b>
<b>Eye/Face:</b>	<b>Wear protective eyewear (goggles, face shield, or safety glasses).</b>
<b>Hands:</b>	<b>Wear appropriate gloves.</b>

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<b>General Industrial Hygiene:</b>	<b>Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.</b>
<b>Exposure Limits/Guidelines:</b>	<b>No exposure limits were found for this product or any of its ingredients.</b>

<b>SECTION 9: Physical and chemical properties</b>
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<b>Appearance:</b>	<b>Slightly tan solid</b>
<b>Physical state:</b>	<b>Solid</b>
<b>Color:</b>	<b>Slightly tan</b>
<b>Odor:</b>	<b>Odorless</b>
<b>Odor threshold:</b>	<b>Odorless</b>
<b>pH:</b>	<b>5.5 to 8.0 (1% solution)</b>
<b>Freezing Point:</b>	<b>NA</b>
<b>Initial Boiling point/Boiling Range:</b>	<b>NA</b>
<b>Flash point:</b>	<b>None</b>
<b>Evaporation rate:</b>	<b>NA</b>
<b>Flammability (solid, gas):</b>	<b>None</b>
<b>Upper/lower flammability or explosive limits:</b>	<b>None</b>
<b>Vapor pressure (mmHg@20°C):</b>	<b>NDA</b>
<b>Vapor density (Air=1):</b>	<b>NDA</b>
<b>Relative density (Specific gravity):</b>	<b>NA</b>
<b>Solubilities (water):</b>	<b>100% soluble</b>
<b>Partition coefficient (n-octanol/water):</b>	<b>NDA</b>
<b>Auto-ignition temperature:</b>	<b>NDA</b>
<b>Decomposition temperature:</b>	<b>NDA</b>
<b>Viscosity:</b>	<b>NDA</b>
<b>Density:</b>	<b>NDA</b>
<b>Dry Time (Ether=1):</b>	<b>NDA</b>
<b>% Volatile by Volume</b>	<b>Not Applicable</b>

<b>SECTION 10: Stability and Reactivity</b>
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<b>Chemical stability:</b>	<b>Stable</b>
<b>Possibility of hazardous reactions:</b>	<b>Hazardous polymerization will not occur.</b>
<b>Conditions to avoid:</b>	<b>None known</b>
<b>Incompatible materials:</b>	<b>None known</b>
<b>Hazardous decomposition Products:</b>	<b>Oxides of phosphorus. Oxides of sodium.</b>

<b>SECTION 11: Toxicological Information</b>
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**Acute toxicity:**

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**Ingredient Information:**

Component Name	Concentration	CAS	Data
Polyphosphoric acid, 2% to 40% sodium salts		68915-31-1	Acute toxicity: oral-rat LD50: 6,200 mg/kg Irritation: eye-rabbit, 150 mg/l Mild
Pentasodium Triphosphate	2% to 40%	7758-29-4	Acute toxicity: oral-rat LD50: 3,900 mg/kg
Sodium Biphosphate	2% to 40%	7558-807	Acute toxicity: oral –rat LD50: 8,290 mg/kg

<b>SECTION 12: Ecological Information</b>
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**Ecological Fate:**

The product is completely soluble in water and is expected to slightly affect the pH of the water. Sodium Polyphosphates in aqueous solution will very slowly hydrolyze to a Sodium Orthophosphate. Inorganic orthophosphates, in contact with soil, subsurface or surface waters, may be taken up by plants and utilized as essential nutrients. Phosphates may also form precipitates, usually with Calcium or Magnesium. The resultant compounds are insoluble, becoming part of the soil.

**Persistence and degradability:**

See above

**Bioaccumulation potential:**

See above

**Mobility in soil:**

See above

**Other adverse effects:**

The aquatic toxicity for this product has not been determined

<b>SECTION 13: Disposal Considerations</b>
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**Disposal instructions:**

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

<b>SECTION 14: Transport Information</b>
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**The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.**

**DOT- United States Department of Transportation**  
**Shipping Name: Not regulated**

**TDG- Canada- Transport of Dangerous Goods**  
**Shipping Name: Not regulated**

**IATA- International Air Transport Association**  
**Shipping Name: Not regulated**

<b>SECTION 15: Regulatory Information</b>
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**USA:**

**United States Federal Regulations:**

**SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:**

**SARA Hazard Classifications**      **None**

**Risk and Safety Phrases**      **None**

**CERCLA/Superfund, 40 CFR 117, 302:**

<b>CHEMICAL</b>	<b>C.A.S. Number</b>	<b>Weight %</b>	<b>Section 311/312</b>
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**Section 313 – List of Toxic Chemicals (40CFC 372):**      **None Listed**

**STATE REGULATIONS:**

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**California Proposition 65:**      **None Listed**

**New Jersey Right to Know:.**      **None Listed**

**Pennsylvania Right to Know:**      **None Listed**

**Massachusetts Right to Know:**      **None Listed**

**INTERNATIONAL REGULATIONS:**

**Canadian Controlled Products Regulations (WHMIS):**

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**Canada- WHMIS- Ingredient Disclosure List**  
**None Listed**

<b>SECTION 16: Other Information</b>
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Revision Date:

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