

WATERWORX 5.700

SAFETY DATA SHEET

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

SECTION 1: Identification

Product identifier: WaterWorx 5.700

CAS number: Blend of Phosphates

Recommended use: Drinking Water Treatment

Recommended restrictions: None

Manufacturer/Importer/Supplier/Distributor information:

Company Name: Worx, LLC

Company Address: 2010 Sterling Rd
Charlotte, NC 28209

Company Telephone: 7049058624

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.

SDS Revision Date: 2/1/2021

Inhalation

Acute (Immediate)

Low acute inhalation toxicity.

Chronic (Delayed)

No data available.

Skin

Acute (Immediate)

May cause mild irritation

Chronic (Delayed)

No data available

Eye

Acute (Immediate)

May cause mild irritation

Chronic (Delayed)

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 carcinogen

SECTION 3: Composition/Information on Ingredients

Mixture:

Chemical name	Concentration (weight %)	CAS#
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

SECTION 4: First-Aid Measures

- 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.

SECTION 5: Fire-Fighting Measures

- Extinguishing Media:** Not combustible. Use extinguishing media suitable for surrounding fire.
- Firefighting Procedures:** Keep unauthorized personnel away.
- Hazardous combustion products:** Oxides of sodium, oxides of phosphorus.

Protection of firefighters: Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

SECTION 6: Accidental Release Measures

Personal precautions: Do not touch or walk through spilled material.

Emergency procedures: Wear appropriate protective gear.

Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas.

Containment/Cleanup: 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.

SECTION 7: Handling and Storage

Handling: Keep containers closed when not in use.

Storage: Store in a cool, dry place.

Incompatible Materials: None known

SECTION 8: Exposure Controls/Personal Protection

Personal Protective Equipment:

Safety glasses Gloves

Respiratory: In case of insufficient ventilation, wear suitable respiratory equipment

Eye/Face: Wear protective eyewear (goggles, face shield, or safety glasses).

Hands: Wear appropriate gloves.

Trade Name: WaterWorx 5.700

SDS Revision Date: 2/1/2021

General Industrial Hygiene: Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.

Exposure Limits/Guidelines: No exposure limits were found for this product or any of its ingredients.

SECTION 9: Physical and chemical properties

Appearance:	Colorless liquid with no odor
Physical state:	Liquid
Color:	Colorless
Odor:	Odorless
Odor threshold:	Odorless
pH:	5.5 to 7.5 (1% solution)
Freezing Point:	20 degrees F
Initial Boiling point/Boiling Range:	220 degrees F
Flash point:	None
Evaporation rate:	NA
Flammability (solid, gas):	None
Upper/lower flammability or explosive limits:	None
Vapor pressure (mmHg@20°C):	NDA
Vapor density (Air=1):	NDA
Relative density (Specific gravity):	1.35
Solubilities (water):	100% soluble
Partition coefficient (n-octanol/water):	NDA
Auto-ignition temperature:	NDA
Decomposition temperature:	NDA
Viscosity:	NDA
Density:	NDA
Dry Time (Ether=1):	NDA
% Volatile by Volume	Not Applicable

SECTION 10: Stability and Reactivity

Chemical stability:	Stable
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	None known
Incompatible materials:	None known
Hazardous decomposition Products:	Oxides of phosphorus. Oxides of sodium.

Trade Name: WaterWorx 5.700

SDS Revision Date: 2/1/2021

SECTION 11: Toxicological Information

Acute toxicity:

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

SECTION 12: Ecological Information

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

SECTION 13: Disposal Considerations

Disposal instructions:

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

Trade Name: WaterWorx 5.700

SDS Revision Date: 2/1/2021

SECTION 14: Transport Information

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

SECTION 15: Regulatory Information

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:

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

Trade Name: WaterWorx 5.700

SDS Revision Date: 2/1/2021

Canadian Controlled Products Regulations (WHMIS):

Water 7732-18-5 50% to 70% Uncontrolled product according to WHMIS classification criteria.

Canada- WHMIS- Ingredient Disclosure List

None Listed

SECTION 16: Other Information

Revision Date:

DISCLAIMER: The information contained within this Safety Data Sheet is for the specific material described herein only and may not be valid if the material is used in combination with any other materials or process. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Worx makes no representations as to the completeness or accuracy of this information. The user is responsible to determine the completeness of the information and suitability for the user's own particular use. The information provided herein is supplied under the condition that the person or persons receiving this information will make their own determination as to its suitability for their purpose of use and shall assume all risks of their use, handling, and disposal of the material. Worx expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the material or information provided herein, and Worx shall, under no circumstances, be liable for incidental or consequential damages.