



Water Guard Inc. (WGI)
SAFETY DATA SHEET

Effective Date: May 22, 2015
Revision Date:

I. Product and Company Information

Product Name(s):	OP50	Synonym:	
Chemical Name:	Ortho Polyphosphate Solution	Use:	Potable Water Corrosion Inhibitor
Manufacturer's Name: Water Guard Inc. P.O. Box 2226 Wilson, N.C. 27894 Customer Service: 1-800-872-7665 Web Site www.waterguardinc.com		Emergency Contacts: Afterhours (PERS)1-800-633-8253	

II. Hazard Identification

OSHA HCS / GHS Classification(s):		Hazard Statement(s):	
Not Applicable		Not Applicable	
Signal Word:	Precautionary Statement(s): Avoid contact with eyes.		
Not Applicable	Prevention:	Keep in original container. Wear eye / face protection.	
Symbol(s): Not Applicable	Response:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.	
		Absorb spillage to prevent material damage.	
		For specific treatment: See First Aid section IV.	

III. Composition / Information on Ingredients

Chemical Name:	CAS Reg #'s	%
Poly Phosphoric acids sodium salts	68915-31-1	20
Sodium salt of phosphoric acid	7558-80-7	23
Water	7732-18-5	Balance

IV. First Aid Measures

Eyes:	Immediately flush eyes with running water keeping eyelids open. Remove any contact lenses. Seek medical attention.
Dermal / Skin:	Remove contaminated clothing and wash exposed area thoroughly with soap and water. Seek medical attention, if you feel unwell.
Inhalation:	Move to fresh air immediately. If breathing is difficult, give oxygen. Seek medical attention, if you feel unwell.
Ingestion:	If swallowed, DO NOT induce vomiting. Rinse mouth. Seek medical attention, if you feel unwell.

V. Fire Fighting Measures

NFPA Hazard Rating:	Health (Blue)	Fire (Red)	Reactivity (Yellow)	Special Instructions (White)
	1	0	0	None
NFPA Hazard Classification: 0 = Least 1=Slight 2= Moderate 3= High 4= Extreme				
Extinguishing Media:	Not Combustible			
Special Firefighting Procedure:	Wear NIOSH-approved self-contained breathing apparatus (SCBA). Use water spray to keep containers cool and to knock down fumes. Dike fire-control water for later disposal.			

VI. Accidental Release Measures

Precaution if Spilled or Released:	Steps should be taken to contain spilled liquids and prevent discharges to streams or sewer systems.
Neutralizing Chemicals:	

VII. Handling and Storage

Handling:	Handle all chemicals with respect. Keep separated from incompatible substances. Handle only with equipment, materials and supplies specified by their manufacturer as being compatible and appropriate for use with this product.
Storage:	Store at appropriate temperature to protect from freezing or crystallization. Consult the appropriate WGI Product Bulletin for temperature recommendations. Do not store this material near food, animal feed or drinking water. Store in well ventilated area. Store away from excessive heat (e.g. steam pipes, radiators), and from reactive materials. Keep container tightly closed when not in use.

VIII. Exposure Control / Personal Protective Equipment

Component Workplace Control Parameters:				
Components:	CAS-No.	Value	Parameters	Basis
Engineering Controls:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.			
General Hygiene:	Practice good personal hygiene after using this material, especially before eating, drinking, smoking or using the toilet.			
Personal Protection Equipment:				
Eye:	Use chemical splash goggles.			
Skin:	Chemically resistant gloves should be worn. Wear long sleeves and/or protective coveralls.			
Respiratory:	None required under normal conditions. When conditions warrant a respirator, use NIOSH approved respirator.			
Other Protective Items:	Ensure that eyewash stations and safety showers are proximal to the work-station location.			
HMIS Classification:	Health (Blue)	Flammability (Red)	Physical Hazard (Yellow)	PPE (White)
	1	0	0	See PPE
Hazard Classification: 0 = Minimal 1=Slight 2= Moderate 3= Serious 4= Severe				

IX. Physical and Chemical Properties

Physical State:	Liquid	pH:	Approximately 4.5
Appearance:	Clear	Molecular Weight:	Mixture
Odor:	No Odor	Odor Threshold:	Data Not Available
Specific Gravity: (H₂O=1)	1.38@77°F /25°C	Weight per Gallon:	11.51 lbs./gal
Vapor Density: (Air=1)	Similar to Water	Vapor Pressure:	Similar to Water
Boiling Point:	214°F/101°C Estimated	Freezing/Melting Point:	35°F
Lower Explosive Limit:	Not Applicable	Upper Explosive Limit:	Not Applicable
Flash Point:	Not Applicable	Autoignition Temp:	Not Applicable
Solubility in water:	Soluble	:	
Other:			

X. Stability and Reactivity Data

Chemical Stability:	Product is stable under normal or expected use.
Conditions To Avoid:	None known
Incompatible Materials:	None known
Hazardous Products of Decomposition:	Thermal decomposition may yield the following: toxic oxides of phosphorus.

XI. Toxicological Information

Routes of Entry:	<input checked="" type="checkbox"/> Eyes <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Inhalation					
Sign and symptoms of Exposure:	May cause irritation to eyes, skin and respiratory passages					
Eye Contact:	May cause mild irritation.					
Ingestion:	May be harmful if swallowed. Large quantities may cause nausea, vomiting, diarrhea.					
Skin Contact:	May cause irritation.					
Inhalation:	May cause respiratory tract irritation.					
Carcinogenicity:	NPT	Not Listed	IARC	Not Listed	OSHA	Not Regulated
Ingredient Name:	Species		Test		Route	Results
Polyphosphate	Rat		3053 mg/kg		oral	LD50
Orthophosphate	Rat		8290mg/kg		oral	LD50
Comments:						

XII. Ecological Information

Ingredient Name:	Species	Test	Period	Results
No data found for product				
Comments:	Decomposes to phosphate that can be bio- nutrient.			

XIII. Disposal Considerations

Waste Disposal:	Always dispose of material in accordance with local, state, and federal regulations.
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XIV. Transportation Information

Proper Shipping Name:				
DOT Classification:	Not Regulated			
Identification Number:		Packing Group:		Other Labels:

XV. Regulatory Information

Inventory Status:		US Regulations:	
U. S. TSCA	Yes	SARA 302 TPQ	Not Listed
Europe EINECS	Yes	SARA 304 RQ	Not Listed
Canadian DSL	Yes	SARA 313 List	Not Listed
Japan ENCS	Yes	CERCLA (RQ)	Not Listed
Korean TCCL	Yes	RCRA 261.33	Not Listed
Philippines PICCS	Yes	CWA 117	Not Listed
Australian AICS	Yes	CAA 112r (RMP)	Not Listed
		SARA 311/312	<input checked="" type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Fire <input type="checkbox"/> Release of Pressure <input type="checkbox"/> Reactive
International Regulations:			Other Regulations:
			California PROP 65 Not Listed

XVI. Other Information

NSF Certification:	Yes – NSF Certified to NSF/ANSI std 60 max use level = 28mg/l
Other:	
Revision Notes:	_____
MSDS Replacements	

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