

**Distributed by:**  
**Parker Hannifin Corp. / Water Purification**  
 2630 E. El Presidio Street  
 Carson, CA 90810  
**Material Safety Data Sheet**  
 (Revision Date: 03/11/14)

### Section 1: Chemical Product and Company Identification

**Product Name:** Cleaner #1

**Contact Information:**  
**Parker Hannifin Corp. /**  
**Water Purification**

**Catalog Number:** CAS RN#: N/A (Mixture)

**2630 E. El Presidio Street**  
**Carson, CA 90810**

**Synonym:** N/A (Mixture)**Formula Weight:** N/A (Mixture)**Chemical Formula:** N/A (Mixture)**Phone #:** (310) 608-5600**24 Hr. Emergency:** 1-800-535-5053

### Section 2: Composition and Information on Ingredients

Name	% by Weight	CAS RN #	Hazardous
Ethylenediaminetetraacetic Acid, Tetrasodium Salt Hydrate	>30%	13235-36-4	No
Sodium Tripolyphosphate	>30%	7758-29-4	No
Sodium Phosphate, Tribasic, Dodecahydrate	>30%	10101-89-0	No

### Section 3: Hazards Identification

**Precautionary Overview:** WARNING! MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO SKIN AND RESPIRATORY TRACT. CAUSES EYE IRRITATION.

**Potential Acute Health Effects:**

**INHALATION:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**SKIN:** May be harmful if absorbed through the skin. Causes skin irritation or burns.

**EYES:** Causes eye burns.

**INGESTION:** May be harmful if swallowed. Causes irritation or burns to digestive tract mucosa.

**Potential Chronic Health Effects:**

Will aggravate any allergic skin reactions and respiratory conditions such as asthma, bronchitis or emphysema.

**Telephone:** (310) 608-5600**24 Hr. Emergency:** 1-800-535-5053

### Section 4: First Aid Measures

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get professional aide immediately.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used. Wash clothing and shoes before reuse. Get medical attention immediately.

**Inhalation:** If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

### Section 5: Fire and Explosion Data

**Flammability of the Product:** N/A

**Auto-Ignition Temperature:** No data available.

**Flash Point:** N/A

**Flammable Limits:** N/A

**Products of Combustion:**  $\text{NaO}_x$ ,  $\text{PO}_x$ ,  $\text{CO}_x$  and  $\text{NO}_x$ .

**Fire Fighting Media and Instructions:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Section 6: Accidental Release Measures

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

Do not let product enter drains.

Pick-up and arrange for disposal without creating dust. Keep in suitable, closed containers for disposal.

### Section 7: Handling and Storage

**HANDLING:**

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**STORAGE:**

Keep container tightly closed in a dry and well-ventilated place.

## Section 8: Exposure Controls/ Personal Protection

**Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

**Personal Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use component tested and approved under government standards such as NIOSH (US) or CEN (EU).

**Exposure Limits:** None of the ingredients have established exposure limits!

## Section 9: Physical and Chemical Properties

**Physical State and Appearance:** White powder with white granules.

**Odor:** Odorless

**Vapor Pressure:** N/A

**Solubility:** Soluble

**pH:** ~11 - 12

**Boiling Point:** N/A

**Density:** 1.175 g/cm<sup>3</sup>

**% Volatiles by volume:** N/A

**Melting Point:** N/A

## Section 10: Stability and Reactivity Data

**Stability:** Stable under recommended storage conditions.

**Hazardous Decomposition Products:** Oxides of Carbon, Nitrogen, Phosphorus and Sodium.

**Hazardous Polymerization:** will not occur.

**Incompatibilities:** Strong Acids and strong oxidizing agents.

**Conditions to Avoid:** Incompatibles.

## Section 11: Toxicological Information

### Toxicological Data:

Sodium Phosphate, Tribasic, Dodecahydrate: LD50 Oral-rat-7,400 mg/kg

Sodium Tripolyphosphate: LD50 Oral-rat- 3,900 mg/kg

EDTA-Tetrasodium Hydrate: Irritation Data, rabbit (Std Draize): skin= 500 mg/24H, moderate; eye= 100 mg/24H, moderate.

### Carcinogenicity:

Cancer Lists

Ingredient	NTP Carcinogen		IARC Category
	Known	Anticipated	
TriSodium Phosphate, Dodecahydrate	No	No	None
Sodium Tripolyphosphate	No	No	None
EDTA-TetraSodium	No	No	None

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## Section 12: Ecological Information

**Environmental Fate:** No information found.

**Environmental Toxicity:** Freshwater Fish Data:

96 Hr LC50 bluegill sunfish: 490 mg/L (Static)( Ethylenediaminetetraacetic Acid, TetraSodium)

EC50-Daphnia-276.61 mg/L-48 h (Sodium Tripolyphosphate)

## Section 13: Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## Section 14: Transport Information

**Proper Shipping Name:** Not Regulated by D.O.T.

**Hazard Class:** N/A

**UN/NA:** N/A

**Packing Group:** N/A

**Reportable Quantity:** N/A

**ERG:** N/A

## Section 15: Regulatory Information

-----\Chemical Inventory Status - Part 1\-----				
Ingredient	TSCA	EC	Japan	Australia
Sodium Phosphate, Tribasic (7601-54-9)	Yes	Yes	Yes	Yes
Sodium Tripolyphosphate	Yes	Yes	Yes	Yes
Ethylenediaminetetraacetic Acid, Tetrasodium	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----				
Ingredient	Korea	--Canada--		
		DSL	NDSL	Phil.
Sodium Phosphate, Tribasic (7601-54-9)	Yes	Yes	No	Yes
Sodium Tripolyphosphate	Yes	Yes	No	Yes
Ethylenediaminetetraacetic Acid, Tetrasodium	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----				
Ingredient	-SARA 302-		-----SARA 313-----	
	RQ	TPQ	List	Chemical Catg.
Sodium Phosphate, Tribasic (7601-54-9)	No	No	No	No
Sodium Tripolyphosphate	No	No	No	No
Ethylenediaminetetraacetic Acid,	No	No	No	No

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-----\Federal, State & International Regulations - Part 2\-----			
Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Sodium Phosphate, Tribasic (7601-54-9)	5000	No	No
Sodium Tripolyphosphate	No	No	No
Ethylenediaminetetraacetic Acid,	No	No	No

Chemical Weapons Convention: No      TSCA 12(b): No      CDTA: No  
 SARA 311/312: Acute: Yes      Chronic: Yes      Fire: No      Pressure: No  
 Reactivity: No      (Pure / Solid)

**Australian Hazchem Code:** None allocated.  
**Poison Schedule:** None allocated.

**WHMIS:** This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**Section 16: Other Information**

**NFPA Rating:**      **Health: 2**      **Flammability: 0**      **Reactivity: 1**

- Label Precautions:**  
 Avoid contact with eyes, skin and clothing.  
 Wash thoroughly after handling.  
 Avoid breathing dust.  
 Keep container closed.  
 Use only with adequate ventilation.

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