

## 1. Product and Company Identification

**Product Code:** 01290  
**Product Name:** CIP-Passivator  
**Company Name:** Passivator Co.  
P.O. Box 815  
Dana Point, CA 92629

**Emergency Contact:** CHEMTREC (800)424-9300

**Recommended Use:** Cleaner/Descaler

**Intended Use:** For sale to, use and storage by service persons only.

## 2. Hazards Identification

**Skin Corrosion/Irritation, Category 1B**  
**Serious Eye Damage/Eye Irritation, Category 2**  
**Acute Toxicity: Oral, Category 4**  
**Acute Toxicity: Skin, Category 4**



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:** H302 - Harmful if swallowed.  
H312 - Harmful in contact with skin.  
H314 - Causes severe skin burns and eye damage.  
H319 - Can cause serious eye irritation.

**GHS Precaution Phrases:** P102 - Keep out of reach of children.  
P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.

**GHS Response Phrases:** P301+330+331 - If swallowed: Rinse mouth. Do NOT induce vomiting.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P303+361+353 - If on skin (or in hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304+340 - If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**GHS Storage and Disposal Phrases:** P405 - Store locked up.  
P501 - Dispose of contents and container according to the local, city, state and federal regulations.

**Inhalation:** Causes chemical burns to the respiratory tract.

**Skin Contact:** Corrosive, causes permanent skin damage (scarring). Avoid any skin contact.

**Eye Contact:** Corrosive to the eyes and may cause severe damage including blindness. Avoid any eye contact.

**Ingestion:** Corrosive and may cause severe and permanent damage to mouth, throat, and stomach. May be fatal if swallowed.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
7664-38-2	Phosphoric acid	Proprietary	
77-92-9	Citric acid	Proprietary	

### 4. First Aid Measures

**Emergency and First Aid Procedures:**

- In Case of Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. Call a physician.
- In Case of Skin Contact:** Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
- In Case of Ingestion:** Do NOT induce vomiting. Drink large amounts of water. Call physician.
- Note to Physician:** Treat symptomatically and supportively.

### 5. Fire Fighting Measures

- Flash Pt:** NE
- Explosive Limits:** LEL: N/A N.E. UEL: N/A N.E.
- Autoignition Pt:** NE
- Suitable Extinguishing Media:** CO2, dry foam, water.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.
- Flammable Properties and Hazards:** No data available.
- Hazardous Combustion:** No data available.
- Products:**

### 6. Accidental Release Measures

- Steps To Be Taken In Case Material Is Released Or Spilled:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Discharge into the environment must be avoided.

### 7. Handling and Storage

- Precautions To Be Taken in Handling:** Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Wash hands thoroughly after handling.
- Precautions To Be Taken in Storing:** Store in a cool, dry, well-ventilated area away from incompatible substances.
- Other Precautions:** Keep away from oxidizing agents.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7664-38-2	Phosphoric acid	PEL: 1 mg/m3	TLV: 1 mg/m3 STEL: 3 mg/m3	No data.
77-92-9	Citric acid	No data.	No data.	No data.

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<b>Respiratory Equipment (Specify Type):</b>	Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
<b>Eye Protection:</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
<b>Protective Gloves:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Engineering Controls (Ventilation etc.):</b>	Use adequate ventilation to keep airborne concentrations low.

### 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid
<b>Appearance and Odor:</b>	Colorless liquid with a mild or no fragrance.
<b>pH:</b>	~ 0.50 - 2.00
<b>Melting Point:</b>	NE
<b>Boiling Point:</b>	>= 212.00 F
<b>Flash Pt:</b>	NE
<b>Evaporation Rate:</b>	NA
<b>Flammability (solid, gas):</b>	No data available.
<b>Explosive Limits:</b>	LEL: N/A N.E. UEL: N/A N.E.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NA
<b>Vapor Density (vs. Air = 1):</b>	NE
<b>Specific Gravity (Water = 1):</b>	~ 1.180
<b>Density:</b>	~ 9.84 LB/GA
<b>Bulk density:</b>	NE
<b>Solubility in Water:</b>	100%
<b>Saturated Vapor Concentration:</b>	NA
<b>Octanol/Water Partition Coefficient:</b>	No data.
<b>VOC / Volume:</b>	0.0000 GL
<b>Autoignition Pt:</b>	NE
<b>Decomposition Temperature:</b>	NE
<b>Viscosity:</b>	NP
<b>Particle Size:</b>	NE
<b>Heat Value:</b>	NE
<b>Corrosion Rate:</b>	NE

### 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ ] Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	None.
<b>Incompatibility - Materials To Avoid:</b>	Strong oxidizers, ammonia, chlorine, strong alkali materials, aluminum.
<b>Hazardous Decomposition or Byproducts:</b>	CO, CO2.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]

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Printed: 07/19/2019  
Revision: 06/03/2019**Conditions To Avoid -** None.**Hazardous Reactions:**

### 11. Toxicological Information

**Toxicological Information:** CAS# 7664-38-2: Acute toxicity, LD50, Oral, Rat, 1530. MG/KG. Results: [Beha (missing text!)] [Chan (missing text!)] [in (missing text!)] [psyc (missing text!)] [test (missing text!)] ; BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., Vol/p/yr: 17-4, 1970**Carcinogenicity/Other Information:** CAS# 7664-38-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7664-38-2	Phosphoric acid	n.a.	n.a.	n.a.	n.a.
77-92-9	Citric acid	n.a.	n.a.	n.a.	n.a.

### 12. Ecological Information

**General Ecological Information:** CAS# 7664-38-2: Not reported., Rainbow Trout (*Oncorhynchus mykiss*), fingerling, 5.190 %, 27 W, Growth, Water temperature: 16.00 C - 20.00 C C. Results: Morphological changes. ; Effect of Various Types of Phosphates on Zinc Availability to Rainbow Trout, Satoh, S., N. Porn-Ngam, T. Takeuchi, and T. Watanabe, 1993

### 13. Disposal Considerations

**Waste Disposal Method:** Dispose of contents and container according to the local, city, state and federal regulations.

### 14. Transport Information

**LAND TRANSPORT (US DOT):****DOT Proper Shipping Name:** UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid and Citric Acid), 8, PG III.**DOT Hazard Class:** 8 CORROSIVE**UN/NA Number:** UN1760**Packing Group:** III**LAND TRANSPORT (Canadian TDG):****TDG Shipping Name:** UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid and Citric Acid), 8, PG III.**MARINE TRANSPORT (IMDG/IMO):****IMDG/IMO Shipping Name:** UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid and Citric Acid), 8, PG III.**AIR TRANSPORT (ICAO/IATA):****ICAO/IATA Shipping Name:** UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid and Citric Acid), 8, PG III.

**15. Regulatory Information**

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Acute (immediate) Health Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Chronic (delayed) Health Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Fire Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Sudden Release of Pressure Hazard
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7664-38-2	Phosphoric acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; FIFRA: Yes - Active - 076001, Inert; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8
77-92-9	Citric acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; FIFRA: Yes - Active - 021801, Inert; CA PROP.65: No; CA TAC, Title 8: No

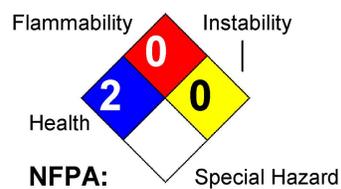
**16. Other Information**

**Revision Date:** 06/03/2019

**Hazard Rating System:**

<b>HEALTH</b>	<input type="checkbox"/>	<b>2</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>0</b>
<b>PHYSICAL</b>	<input type="checkbox"/>	<b>0</b>
<b>PPE</b>		<b>C</b>

**HMIS:**



**Additional Information About This Product:** No data available.

**Company Policy or Disclaimer:** The manufacturer believes the data set forth are accurate and makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.