

## 1. Product and Company Identification

<b>Product Code:</b>	L-1108161	
<b>Product Name:</b>	pH Down	
<b>Company Name:</b>	Genlabs	<b>Phone Number:</b>
	5568 Schaefer Ave.	1 (909)591-8451
	Chino, CA 91710	
<b>Web site address:</b>	www.genlabscorp.com	
<b>Emergency Contact:</b>	Chemtrec	1 (800)424-9300
<b>Recommended Use:</b>	pH Adjuster	
<b>Intended Use:</b>	For sale to, use and storage by service persons only.	

## 2. Hazards Identification

**Skin Corrosion/Irritation, Category 1B**  
**Corrosive To Metals, Category 1**  
**Serious Eye Damage/Eye Irritation, Category 1**



<b>GHS Signal Word:</b>	<b>Danger</b>
<b>GHS Hazard Phrases:</b>	Causes severe skin burns and eye damage. May be corrosive to metals. Causes serious eye damage.
<b>GHS Precaution Phrases:</b>	Do not breathe dust, fumes, mist, vapors, spray. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection, face protection. Keep only in original container.
<b>GHS Response Phrases:</b>	If on skin (or in hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Absorb spillage to prevent material damage.
<b>GHS Storage and Disposal Phrases:</b>	Store locked up. Dispose of contents and container according to the local, city, state and federal regulations.

**Potential Health Effects (Acute and Chronic):** Chronic: Not available.

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

**Skin Contact:** Causes skin burns.

**Eye Contact:** Causes eye burns.

**Ingestion:** Causes gastrointestinal tract burns.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7664-38-2	Phosphoric acid	~75.0 %

### 4. First Aid Measures

**Emergency and First Aid**

**Procedures:**

**In Case of Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**In Case of Skin Contact:** 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. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Immediately call a POISON CENTER or doctor/physician.

**Note to Physician:** Treat symptomatically and supportively.

### 5. Fire Fighting Measures

**Flash Pt:** NA Method Used: Estimate

**Explosive Limits:** LEL: N/A UEL: N/A

**Autoignition Pt:** NA

**Suitable Extinguishing Media:** Use foam, dry chemical, or carbon dioxide.

**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.

### 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8.  
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.  
Do not let this chemical enter the environment.

### 7. Handling and Storage

**Precautions To Be Taken in Handling:** Wash thoroughly after handling. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood.

**Precautions To Be Taken in Storing:** Store in a cool, dry place. Store in a tightly closed container.

## 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.

<b>Respiratory Equipment (Specify Type):</b>	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. 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 chemical splash goggles.
<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>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

## 9. Physical and Chemical Properties

<b>Physical States:</b>	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
<b>Appearance and Odor:</b>	Clear colorless liquid with no odor.
<b>Melting Point:</b>	42.00 C
<b>Boiling Point:</b>	NA
<b>Autoignition Pt:</b>	NA
<b>Flash Pt:</b>	NA    Method Used: Estimate
<b>Explosive Limits:</b>	LEL: N/A                      UEL: N/A
<b>Specific Gravity (Water = 1):</b>	~ 1.580
<b>Density:</b>	13.17 LB/GA
<b>Bulk density:</b>	NE
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NE
<b>Vapor Density (vs. Air = 1):</b>	NA
<b>Evaporation Rate:</b>	NE
<b>Solubility in Water:</b>	100%
<b>Saturated Vapor Concentration:</b>	NE
<b>Viscosity:</b>	NP
<b>pH:</b>	< 1.0
<b>Percent Volatile:</b>	No data.
<b>VOC / Volume:</b>	0.0000 G/L
<b>Particle Size:</b>	NE
<b>Heat Value:</b>	NE
<b>Corrosion Rate:</b>	NE

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Incompatible materials, Metals. Excess heat.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents, Reacts with most common metals to produce hydrogen gas. Is corrosive to many materials including leather, rubber, and many organics. Strong bases.

**Hazardous Decomposition Or Byproducts:** Phosphine, oxides of phosphorus, hydrogen gas.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** None.

## 11. Toxicological Information

**Toxicological Information:** Epidemiology: No data available.  
Teratogenicity: No data available.  
Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies:

**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.

## 12. Ecological Information

**General Ecological Information:** Physical: No information available.  
Other: Do not empty into drains.

## 13. Disposal Considerations

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
RCRA P-Series: None listed.  
RCRA U-Series: None listed.

## 14. Transport Information

## LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid), 8, 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), 8, III.

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid), 8, III.

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid), 8, III.

### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7664-38-2	Phosphoric acid	No	Yes 5000 LB	No

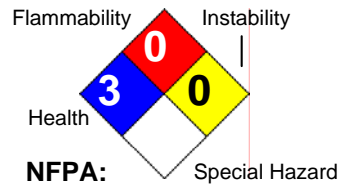
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7664-38-2	Phosphoric acid	CA PROP.65: No; CA TAC, Title 8: TAC, Title 8

### 16. Other Information

**Hazard Rating System:**

HEALTH	3
FLAMMABILITY	0
PHYSICAL	0
PPE	C

**HMIS:**



**Revision Date:** 11/08/2016

**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.