

# SAFETY DATA SHEET

## TAKE DOWN

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Revision: 09/15/2020

Supersedes Revision: 10/31/2018

### 1. Product and Company Identification

**Product Code:** Z-TAKEDOWN  
**Product Name:** TAKE DOWN  
**Trade Name:** TAKE DOWN  
**Company Name:** Stoller  
9090 Katy Freeway  
Suite 400  
Houston, TX 77024  
**Phone Number:**  
1 (713)461-1493  
**Web site address:** www.stollerusa.com  
**Email address:** compliance@stollerusa.com  
**Emergency Contact:** CHEMTREC, In the US and Canada call 1 (800)424-9300  
CHEMTREC, From other countries call +1 (703)527-3887  
**Information:** 1 (800)539-5283  
**Synonyms:** N.A. Mixture.

### 2. Hazards Identification

**Skin Corrosion/Irritation, Category 2**

**Acute Toxicity: Inhalation, Category 4**

**Specific Target Organ Toxicity (single exposure), Category 3**

**Acute Toxicity: Oral, Category 4**

**Serious Eye Damage/Eye Irritation, Category 2B**



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** H302 - Harmful if swallowed.  
H315 - Causes skin irritation.  
H320 - Causes eye irritation.  
H332 - Harmful if inhaled.  
H336 - May cause drowsiness or dizziness.

**GHS Precautionary Phrases:** P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P235+410 - Keep cool and protect from sunlight.  
P233 - Keep container tightly closed.

**GHS Response Phrases:** P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P362 - Take off contaminated clothing and wash before re-use.  
P332+313 - If skin irritation occurs, get medical advice/attention.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

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<b>GHS Storage and Disposal Phrases:</b>	contact lenses, if present and easy to do. Continue rinsing. P337+313 - If eye irritation persists, get medical advice/attention. P391 - Collect spillage. P390 - Absorb spillage to prevent material damage. P370+378 - In case of fire, use water, foam, carbon dioxide, dry chemicals, etc. to extinguish.
	P403+233 - Store container tightly closed in well-ventilated place. P405 - Store locked up. P410 - Protect from sunlight. P403+235 - Store in cool/well-ventilated place. P402 - Store in a dry place. P501 - Dispose of contents/container to treatment at a permitted facility or as advised by your local regulatory authority.
<b>Potential Health Effects (Acute and Chronic):</b>	Chronic: Severe exposure can cause permanent skin and eye burns and liver damage.
<b>Inhalation:</b>	Will cause corrosive effects (burns or irreversible damage) to the lungs, upper respiratory tract and nose. Signs of overexposure - coughing, burning, tightness of chest and/or shortness of breath.
<b>Skin Contact:</b>	Will cause corrosive effects (burns or irreversible damage) to the skin. Signs of overexposure - severe burning of the skin.
<b>Eye Contact:</b>	Will cause corrosive effects (burns or irreversible damage) to the eyes. Signs of overexposure - severe burning of the eyes.
<b>Ingestion:</b>	Will cause corrosive effects (burns or irreversible damage) to the mouth, throat and digestive tract. Signs of overexposure - possible nausea and/or vomiting.

### 3. Composition/Information on Ingredients

CAS #	Components (Chemical Name)	Concentration	RTECS #
7664-38-2	Phosphoric acid	<80.0 %	TB6300000

### 4. First Aid Measures

<b>Emergency and First Aid Procedures:</b>	Victims of severe exposure to chemicals must be taken to health providing centers for medical attention. If necessary, also rescuers must be attended. Always bring with victim a copy of label and SDS of product to health professional.
<b>In Case of Inhalation:</b>	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.  Seek medical attention if victim's breathing is difficult. Move patient to fresh air. Supplemental oxygen may be needed. Assure mucous does not obstruct airway.
<b>In Case of Skin Contact:</b>	Immediately wash affected area with plenty of soap and water. Remove contaminated clothing taking care not to impregnate eyes. Seek medical attention if irritations and/or inflammation occur. Do not attempt to neutralize with chemicals.
<b>In Case of Eye Contact:</b>	Holding eyelids apart, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.
<b>In Case of Ingestion:</b>	Immediately contact a physician or poison control center for treatment advice. Victim should drink milk, egg whites or large quantities of water. DO NOT INDUCE VOMITING. Never give anything by mouth to someone who is unconscious, having convulsions, or unable to swallow.
<b>Note to Physician:</b>	Symptomatic treatment.

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### 5. Fire Fighting Measures

<b>Flash Pt:</b>	N.A.
<b>Explosive Limits:</b>	LEL: N.A. UEL: N.A.
<b>Autoignition Pt:</b>	No data.
<b>Suitable Extinguishing Media:</b>	Use all means adequate to fight surrounding fire: water, foam, CO2, dry chemicals, etc.
<b>Fire Fighting Instructions:</b>	It is suggested, however, that firefighters wear self-contained breathing apparatus and full protective equipment, such as chemical resistant clothing.
<b>Flammable Properties and Hazards:</b>	Toxic fumes may be generated under fire conditions.
<b>Hazardous Combustion Products:</b>	No data available.

### 6. Accidental Release Measures

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	<p>Collect and contain for salvage or disposal. Absorb waste on inert media and dispose of as solid waste. If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. If in the U.S., contact the US Coast Guard National Response Center Toll Free Number 800-424-8802.</p> <p>For all spills: construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Wearing the appropriate personal protective equipment designated in Section VIII, move the leaking container to a containment area or rotate the container so that the opening is above the liquid level. Neutralize with lime or other base, then absorb on diatomaceous earth or equivalent inert material. Shovel up and dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal.</p>
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### 7. Handling and Storage

<b>Precautions To Be Taken in Handling:</b>	All personnel who handle this material should be trained to work with it safely. Avoid breathing vapors or mist; use in well-ventilated location. When diluting, add small amounts of acid to water, do not add water to acid since it may cause sputtering and splashing. Empty containers may contain residual liquid or vapors and therefore should be handled the same as full containers. Do not rinse containers and reuse for other purposes.
<b>Precautions To Be Taken in Storing:</b>	Inspect all incoming containers before storage to ensure all are properly labeled and not damaged. Whenever possible, place chemicals on secondary containers or diked area. Store in a cool, dry place, away from direct sunlight, sources of intense heat and away from strong bases or alkalis. Store away from food, feed and clothing materials. Keep containers tightly closed when not in use. Keep away from reach of children and pets.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7664-38-2	Phosphoric acid	PEL: 1 mg/m <sup>3</sup>	TLV: 1 mg/m <sup>3</sup> Vapor/8 hrs STEL: 3 mg/m <sup>3</sup>	No data.

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<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/OSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
<b>Eye Protection:</b>	As required by conditions. Use a NIOSH/OSHA approved respirator if required. Wear chemical splash goggles and face-shield when eye and face contact is possible due to splashing or spraying of material.
<b>Protective Gloves:</b>	Protective gloves should be worn as good safety practice dictates.
<b>Other Protective Clothing:</b>	Where contact is likely to skin, wear neoprene chemical resistant gloves, a chemical suit, rubber boots, chemical goggles and a face-shield.
<b>Engineering Controls (Ventilation etc.):</b>	General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions. An eye bath and washing facilities should be readily available.
<b>Work/Hygienic/Maintenance Practices:</b>	Wash thoroughly after handling. Do not smoke when handling chemicals.

## 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>	Characteristic odor. Colorless to slightly pink in color.
<b>pH:</b>	< 2
<b>Melting Point:</b>	N.E.
<b>Boiling Point:</b>	N.D.
<b>Flash Pt:</b>	N.A.
<b>Evaporation Rate:</b>	Not      Available
<b>Flammability (solid, gas):</b>	Product is non-flammable.
<b>Explosive Limits:</b>	LEL: N.A.      UEL: N.A.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.
<b>Vapor Density (vs. Air = 1):</b>	Not      Available
<b>Specific Gravity (Water = 1):</b>	1.55 - 1.59
<b>Density:</b>	~ 13.1 LB/GA
<b>Solubility in Water:</b>	No data.
<b>Octanol/Water Partition Coefficient:</b>	No data.
<b>Autoignition Pt:</b>	No data.
<b>Decomposition Temperature:</b>	No data.
<b>Viscosity:</b>	No data.
<b>Molecular Formula &amp; Weight:</b>	H3O4P      98.0

**10. Stability and Reactivity**

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

**Conditions To Avoid -** No data available.

**Instability:**

**Incompatibility - Materials To Avoid:** Strong bases, metals such as steel, copper or aluminum.

**Hazardous Decomposition or Byproducts:** Oxides of phosphorus, Phosphine.

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

**Conditions To Avoid -** No data available.

**Hazardous Reactions:**

**11. Toxicological Information**

**Toxicological Information:** Mutagenicity: The components of this product are not reported to produce mutagenic effects in humans.

Embryotoxicity: The components of this product are not reported to produce embryotoxic effects in humans.

Teratogenicity: The components of this product are not reported to produce teratogenic effects in humans.

Reproductive Toxicity: The components of this product are not reported to produce toxic reproductive effects in humans.

CAS# 7664-38-2: Acute toxicity, LD50, Oral, Rat, 1530. MG/KG. Result: Behavioral: Somnolence (general depressed activity). Kidney, Ureter, Bladder:Hematuria. Skin and Appendages: Other: Hair. ; BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., Vol/p/yr: 17-4, 1970

Acute toxicity, LD50, Skin, Species: Rabbit, 2740. MG/KG. Result: Behavioral: Somnolence (general depressed activity). Behavioral: Excitement. ; 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.

No component listed as a carcinogenic by CPDB, IARC, NTP, OSHA, CAL/OSHA, and ACGIH.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

**12. Ecological Information**

**General Ecological Information:** This product has not been tested for environmental effects. The available data on the raw materials does not indicate any undue hazard to the environment under anticipated conditions of storage and use. All work practices must be aimed at eliminating environmental contamination. If discharged into the marine environment it may be toxic to fish or other marine organisms, and due to its nutrient value may contribute to eutrophication in bodies of water.

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## 13. Disposal Considerations

**Waste Disposal Method:** Waste disposal must be done following all Federal, State and Local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local waste regulatory authority.

## 14. Transport Information

### LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** PHOSPHORIC ACID SOLUTION. 8, III.  
**DOT Hazard Class:** 8 CORROSIVE  
**UN/NA Number:** UN1805 **Packing Group:** III



### MARINE TRANSPORT (IMDG/IMO):

**IMDG/IMO Shipping Name:** PHOSPHORIC ACID SOLUTION. CLASS 8, PG III.  
**EmS:** Stowage:  
**UN Number:** 1805 **Packing Group:** III  
**Hazard Class:** 8 - CORROSIVE **IMDG MFAG Number:** 154

**IMDG EMS Page:**

### AIR TRANSPORT (ICAO/IATA):

**ICAO/IATA Shipping Name:** PHOSPHORIC ACID SOLUTION. 8, III.  
**UN Number:** 1805 **Packing Group:** III  
**Hazard Class:** 8 - CORROSIVE

**Additional Transport Information:** Reportable Quantity (RQ): Phosphoric Acid is an RQ when shipped in bulk truckloads, RQ = 5,000 lb (2270 kg) for Phosphoric acid; for this solution, 6,667 lb (3024 kg).

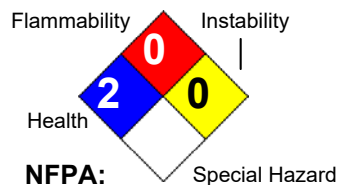
## 15. Regulatory Information

**Regulatory Information:** TSCA Inventory: In compliance with inventory requirements for commercial purposes.

## 16. Other Information

**Revision Date:** 09/15/2020

**Hazard Rating System:**



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

**Company Policy or Disclaimer:**

Stoller believes the information contained in this Safety Data Sheet is accurate based on the information provided by reputable suppliers of our raw materials. However, Stoller does not guarantee their accuracy or completeness. The information contained herein is furnished without warranty of any kind, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for any particular purpose. Users should consider these data only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers. Stoller assumes no

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responsibility for results obtained or for incidental or consequential damages arising from the use of goods and data.