

1. Identification

Common Name/ Trade Name:	Phosphate Test Kit 1	Revision Date:	December 23, 2022
Material Uses:	Phosphate test solution	Product Number:	N/A
Supplier:	FRITZ INDUSTRIES, INC. 500 Sam Houston Mesquite, TX 75149	In Case of Emergency:	
		Weekdays: (Monday – Friday 8-5): (972) 329-8800 (800) 955-1323	CHEMTREC (7 days a week, 24 hours a day) (800) 424-9300

2. Hazard(s) Identification

Classification: Skin Corrosion/Irritation Cat-2
 Serious Eye Damage Cat-1
 Skin sensitizer Cat-1
 Carcinogenicity Cat-2
 Spec target organ tox-single exp cat 3

Labeling:

Symbol:



Signal Word: Danger

Hazard Statement: H314 Causes severe burns and eye damage
 H317 May cause an allergic skin reaction
 H373 May cause damage to organs through prolonged or repeated exposures

Precautionary Statements: P201 Obtain special instructions before use
 P271 Use only outdoors or in a well-ventilated area
 P280 Wear protective gloves/protective clothing/eye protection/face protection
 P281 Use personal protective equipment as required
 P261 Avoid breathing mist/vapors/spray
 P272 Contaminated work clothing should not be allowed out of the workplace
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P310 Immediately call a POISON CENTER/doctor/physician
 P362 Take off contaminated clothing and wash before reuse
 P302+P352 IF ON SKIN: Wash with plenty of soap and water
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention
 P405 Store locked up
 P403+P233 Store in a well-ventilated place. Keep container tightly closed
 P501 Dispose of contents/container to an approved waste disposal plant.

Other Hazard Information:

No additional Health/Environmental hazards

3. Composition and Information on Ingredients

Chemical Identity	Numbers of Identity	% by Weight
RO Water	CAS# 7732-18-5	50-70
Ammonium Molybdate Tetrahydrate	CAS# 12027-67-7	1-5
50% Sulfuric Acid	CAS# 7664-93-9	10-30

4. First Aid Measures

Inhalation:	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek medical attention.
Skin Contact:	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If irritation develops and persists, seek medical attention.
Eye Contact:	Do not rub eyes. Immediately flush eyes with water for at least 15 minutes, while keeping eyelids open. If irritation develops and persists, seek medical attention.
Ingestion:	If ingested, do not induce vomiting. If alert and conscious, remove material from mouth and rinse. Give 2 to 4 cups of water to dilute. Seek medical attention if large amount is ingested.

5. Fire and Explosion Data

General Information:	Product is not flammable or combustible.
Suitable Extinguishing Media:	Use suitable media to extinguish surrounding fire.
Specific Hazards in Case of Fire:	None known.
Special Protective Equipment and Precaution for Fire Fighters:	Full protective clothing and approved self-contained breathing apparatus required for fire personnel.

6. Accidental Release Measures

Personal Precautions:	Use proper personal protective equipment, see section 8.
Environmental Precautions:	Prevent from entering sewers and waterways.
Methods and Materials for Containment and Cleaning Up:	Ventilate area. Isolate and contain spill. Use dry methods to collect spilled materials. Avoid generating dust. Place material in suitable container for reclamation or disposal.

7. Handling and Storage

Precautions for Safe Handling:	Avoid contact with skin and eyes. Wear suitable personal protective equipment
Conditions for Safe Storage, including Incompatibilities:	Keep container tightly closed. Store in a cool, dry, well-ventilated area. Store away from incompatibles (see section 10).

8. Exposure Controls/Personal Protection**Exposure Limits:**

Component Name	Reference	Limit Values
Sulfuric Acid	ACGIH (TWA)	.2 mg/m ³
	NIOSH (REL)	1 mg/m ³
	OSHA (PEL)	1 mg/m ³

Ventilation:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels minimum.
Respiratory Protection:	Not required, but if dust is generated, use adequate respiratory protection.
Eye Protection:	Use safety glasses with side-shields or splash goggles.
Skin Protection:	Use chemical resistant gloves. Clothing should cover arms and legs.

9. Physical and Chemical Properties

Flashpoint:	Not determined	Lower Flammability Limit:	Not determined
Auto ignition Temperature:	Not determined	Upper Flammability Limit:	Not determined
Boiling Point:	Not applicable	Specific Gravity:	1.208
Melting Point:	Not determined	% Volatile:	Not determined
Vapor Pressure, mm _{Hg} :	Not applicable	Evaporation Rate (Water=1):	Not applicable
Vapor Density (air=1):	Not applicable	Viscosity:	Not applicable
%Solubility in Water:	Soluble	Octanol/Water Partition Coefficient:	Not determined
Pour Point:	Not applicable	pH:	<1
Odor/Appearance:	Odorless/clear yellow solution		

10. Stability and Reactivity Data

Chemical Stability:	Product is stable under recommended conditions of storage and use.
Possibility of Hazardous Reactions:	Hazardous reactions should not occur under recommended conditions of storage and use.
Conditions to Avoid:	Dust generation, moisture.
Materials to Avoid:	Strong oxidizing agents and strong acids.
Hazardous Decomposition Products:	Irritating and toxic fumes may be generated by thermal decomposition.

11. Toxicological Information

Routes of Exposure:	Skin/eye contact, inhalation and ingestion.
Acute Toxicity:	No data available
Skin Corrosion/Irritation:	No data available.
Serious Eye Damage/Irritation:	May cause eye irritation. Based on available data, classification criteria are not met.
Respiratory/Skin Sensitization:	No data available.
Germ Cell Mutagenicity:	No data available.
Carcinogenicity:	Not classified as a carcinogen.
Reproductive Toxicity:	No data available.
STOT, SE:	No data available.
STOT, RE:	No data available.
Other Chronic Effects:	No known effects from chronic exposure.

12. Ecological Information

Persistence and Degradability:	No data available.
Bio-accumulative Potential:	No data available.
Mobility:	No data available.
Aquatic Toxicity:	No data available.

13. Disposal Considerations

Waste Disposal:	Disposal should be made in accordance with federal, state, and local regulations.
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14. Transport Information

US DOT:	UN Number: UN2796 UN Proper Shipping Name: Battery fluid, acid; Sulfuric acid with not more than 51% Transport Hazard Class: 8 Packing Group: II
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IATA:	Class 8
IMDG:	UN2796

15. Other Regulatory Information

Inventory Status:	Components are listed in TSCA inventory or are exempt.
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US Regulations:

SARA 302 EHS Chemicals:	This product does not contain ingredients listed as an Extremely Hazardous Substance.
SARA (311/312) Hazard Categories:	No hazards listed.
SARA 313:	This product does not contain ingredients on the List of Toxic Chemicals.
EPA CERCLA/Superfund Reportable Spill Quantity:	This material does not contain any CERCLA regulated chemicals.

16. Other Information

Abbreviations and Acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Service
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
EHS: Extremely Hazardous Substances
EPA: Environmental Protection Agency
GHS: Globally Harmonized System
HMIS: Hazardous Materials Identification System
LC₅₀: Lethal Concentration, half maximal
LD₅₀: Lethal Dose, half maximal
mg/kg: Milligrams per kilograms
mg/l: Milligrams per Liter
mg/m³: Milligrams per Cubic Meter NFPA:
National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
PPE: Personal Protective Equipment
REL: Recommended Exposure Limit
SARA: Superfund Amendments and Reauthorization Act
TSCA: Toxic Substances Control Act
TWA: Time weighted average

Additional Information:

HMIS (U.S.A.): Health 3, Flammability 0, Reactivity 2, Protective Equipment e
NFPA (U.S.A.): Health 3, Flammability 0, Reactivity 2

Revision Notes:

Supersedes:

Prepared By: Cory Griffith

Preparation Date: December 23, 2022

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End of SDS