

Stop Solution PN 4000

Safety Data Sheet

SECTION 1: IDENTIFICATION -7386

Product Name: Stop Solution

Product Form: Mixture

Product Code: PN 4000

Intended Use of the Product: For Laboratory Use

Manufacturer:

Eiger Diagnostics Inc.

2451 S. Buffalo Drive, Suite 112

Las Vegas, NV 89117 USA

Telephone: (725) 208-0223

Emergency: (725) 208-0223 – During Business Hours 9:00 am to 5:00 pm

SECTION 2: HAZARDS IDENTIFICATION

GHS-US Classification

Skin Corrosion/Irritation Category 2 H315

Eye Damage/Irritation Category 1 H318

Hazardous to the Aquatic Environment (Acute) Category 2 H401

GHS Label Elements (Note: per 29 CFR 1910.1200(b)(5)(iii), pictograms are not required on product labeling)

Pictogram:



Signal Word: Danger

Hazard Statements:
H315 – Causes skin irritation
H318 – Causes serious eye damage
H401 – Toxic to aquatic life

Precautionary Statements:
P264 – Wash arms, hands and face thoroughly after handling
P273 – Avoid release to the environment
P280 – Wear protective gloves and eye protection
P302+P352 – If on skin: Wash with plenty of soap and water
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 or physician
P321 – Specific treatment (wash areas of contact with water)
P332+P313 – If skin irritation occurs: Get medical attention
P362 – Take off contaminated clothing and wash it before reuse
P501 – Dispose of contents in accordance with local, regional, national, and international regulations

Other Hazards: No information available.

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Unknown Acute Toxicity: No Data Available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Hazardous Components:

Name	CAS No	% Composition
Phosphoric Acid	7664-38-2	6.92

SECTION 4: FIRST AID MEASURES

- General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- Inhalation:** Not expected to require first aid. If necessary, remove to fresh air.
- Skin Contact:** Wash with plenty of soap and water. May cause irritation, redness and pain.
- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. May cause irritation, redness, pain and tearing.
- Ingestion:** Dilute with water or milk. Do NOT induce vomiting. Obtain medical attention, if necessary.

Most Important symptoms and effects, both acute and delayed:

WARNING! Mildly corrosive. May be harmful if swallowed. Avoid ingestion or contact with eyes, skin or clothing. If swallowed, do not induce vomiting. Give large quantity of water and call a physician. Wash areas of contact with plenty of water for 15 minutes. For eyes, get medical attention. EYE CONTACT: May cause irritation, redness, pain and tearing. SKIN CONTACT: May cause irritation, redness and pain. CHRONIC EFFECTS/CARCINOGENICITY: Chronic respiratory disease and dermatitis may develop from repeated exposures.

Indication of Any Immediate Medical Attention and Special Treatment Needed:

Immediately call a Poison Center or physician. Specific treatment: Wash areas of contact with water.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:

Use extinguishing media appropriate for surrounding fire. Phosphoric Acid is a non-combustible liquid.

Special Hazards Arising from the Mixture

Not considered to be a fire or explosion hazard. May react with metals to release flammable Hydrogen gas.

Special Protective Equipment for Firefighters

Use protective clothing and breathing equipment appropriate for the surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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Personal Precautions, Protective Equipment, and Emergency Procedures

Wear protective gloves and eye protection.

Methods and Material for Containment and Cleaning Up

Collect liquid and dilute with water. Neutralize with dilute base solutions. Release to drain if local regulations allow. For larger spills, absorb with suitable material (vermiculite, clay, etc.). Collect the solid residue and save for disposal. CERCLA reportable quantity for Phosphoric Acid is 5,000 pounds.

Reference to Other Sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe vapors, mist, or spray. Do not get in eyes, on skin, or on clothing. Handle empty containers with care because they may still present a hazard.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Protect from freezing and physical damage.

Incompatible Products: Strong bases, metals, alcohols, amines, aldehydes.

Specific End Use(s): No additional information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Phosphoric Acid (7664-38-2)		
USA ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³ TWA
USA ACGIH	ACGIH STEL (mg/m ³)	3 mg/m ³ STEL
USA OSHA	OSHA PEL (mg/m ³)	1 mg/m ³ TWA

Exposure Controls

Appropriate Engineering Controls: No specific controls are needed. Normal room ventilation is adequate.

Personal Protective Equipment: Gloves. Protective glasses or goggles.



Skin Protection: Wear protective gloves and eye protection. Chemical resistant gloves.

Eye Protection: Safety glasses or goggles.

Respiratory Protection: Normal room ventilation is adequate.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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Information on Basic Physical and Chemical Properties

Physical State:	Liquid
Appearance:	Clear colorless liquid
Odor:	No data available
Odor Threshold:	No data available
pH:	< 2
Evaporation Rate:	No data available
Melting/Freezing Point:	≈ 0 °C (32 °F)
Boiling Point:	≈ 100 °C (212 °F)
Flash Point:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Flammability (solid, gas):	No data available
Vapor Pressure:	No data available
Relative Vapor Density at 20 °C:	No data available
Relative Density:	1.04
Solubility:	Miscible
Partition Coefficient: N-Octanol/Water:	No data available
Viscosity:	No data available
Auto-Ignition Temperature:	No data available
Explosive Properties:	No data available
Oxidizing Properties:	No data available
Other Information:	No additional information available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7)

Possibility of Hazardous Reactions: Data not available.

Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.

Incompatible Materials: Strong bases, metals, alcohols, amines, aldehydes.

Hazardous Decomposition Products: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity: Oral, Dermal, Inhalation Exposure: Not applicable

Phosphoric Acid (7664-38-2)	
LD50 Oral Rat	1530 mg/kg, behavioral, kidney, bladder, hair effects noted
LD50 Dermal Rat	2740 mg/kg, behavioral effects noted

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Skin Corrosion/Irritation: Causes skin irritation. Wash arms, hands and face thoroughly after handling. Wear protective gloves and eye protection. IF ON SKIN: wash with plenty of soap and water. Specific treatment: wash areas of contact with water. If skin irritation occurs, get medical attention. Take off contaminated clothing and wash it before reuse.

Serious Eye Damage/Irritation: Causes serious eye damage. Wear protective gloves and eye protection IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Center or physician.

Respiratory or Skin Sensitization: Not applicable

Germ Cell Mutagenicity: Not applicable

Carcinogenicity: Not applicable

Reproductive Toxicity: Not applicable

Specific Target Organ Toxicity (Single Exposure): Not applicable

Specific Target Organ Toxicity (Repeated Exposure): Not applicable

Aspiration Hazard: Not applicable

Additional Toxicology Information: Data not available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life. Avoid release to the environment. Dispose contents in accordance with local, state, federal and international regulations

Persistence and Degradability: Data not available

Bioaccumulative Potential: Data not available

Mobility in Soil: Data not available

Other Adverse Effects: Data not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Data not available

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT: Not regulated for transport

In Accordance with IATA: Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

SARA Section 311/312 Hazard Classes: Phosphoric Acid (7664-38-2): 5,000 lb final RQ; 2,270 kg final RQ

United States TSCA (Toxic Substances Control Act) list:

Phosphoric Acid (7664-38-2): Present

Water (7732-18-5): Present

Massachusetts Right-to-Know Substance List:

Phosphoric Acid (7664-38-2): Present

Pennsylvania Right-to-Know Hazardous Substances:

Phosphoric Acid (7664-38-2): Present, Environmental hazard

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Water (7732-18-5): Present

New Jersey Worker and Community Right-to-Know Components: Phosphoric Acid (7664-38-2): corrosive, sn 1516

Canada Domestic Substances List/Non-Domestic Substances List (DSL/NDSL):

Phosphoric Acid (7664-38-2): Present (DSL)

Water (7732-18-5): Present (DSL)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date: 11/17/16

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.