

Section 1: Identification

COMPANY: Sportsman Consulting, LLC DBA Vinmetrica
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PRODUCT NAME: pH 4.01 Reference Solution PN: SC-200-4

SYNONYMS: pH 4.01 buffer

Recommended Use Laboratory Chemicals

Uses advised against: Not for food, drug, pesticide or biocidal product use

EMERGENCY PHONE: 408-887-9230

INFORMATION PHONE: 760-494-0597 x 102

Section 2: Hazard(s) Identification

Classification: This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Based on the available data, the classification criteria are not met.

Label Elements: Not classified as a hazardous chemical, none required.

HAZARD STATEMENTS: None

Label Elements: None required

Hazards not otherwise classified (HNOC):
None identified.

NFPA:

Health: 1 Flamability: 0 Reactivity: 0 Special Hazard: n/a

Section 3: Composition/Information on Ingredients

CHEMICAL	CAS NUMBER	WEIGHT %
Water	7732-18-5	99
Potassium Hydrogen Phthalate	877-24-7	1
Thymol	89-83-8	<0.01

Section 4: First Aid Measures

Inhalation: Not expected to require first aid. If necessary, remove to fresh air.

Ingestion: Dilute with water or milk. Call a physician, if necessary.

Skin Contact: May cause slight irritation.
Eye Contact: May cause slight irritation.
Does not present any significant health hazards.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media: Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.

Unsuitable Extinguishing Media: No information available

Flash Point: Not applicable

Method: No information available

Autoignition Temperature: No information available

Explosion Limits

Upper: No data available

Lower: No data available

Sensitivity to Mechanical Impact: No information available

Sensitivity to Static Discharge: No information available

Specific Hazards Arising from the Chemical: None known.

Hazardous Combustion Products: None known.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protective equipment for the size and nature of the spill. As a general rule, wear safety glasses and gloves.

Environmental Precautions: Should not be released into the environment. See section 12 for additional ecological information.

Methods for Containment and Clean Up: Soak up with inert absorbent material and dispose of in accordance with local regulations.

Section 7: Handling and Storage

Handling: As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

Storage: Keep containers tightly closed.

Section 8: Exposure Controls/ Personal Protection

Exposure Guidelines:

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

Personal Protective Equipment:

Eye/Face Protection: 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.

Skin and Body Protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection: Normal room ventilation is adequate.

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

Section 9: Physical and Chemical Properties**Physical State:** Liquid**Appearance:** Colorless**Odor:** Odorless**Odor Threshold:** No information available**pH:** 4.008**Melting Point:** No information available**Boiling Point:** 100°C**Flash Point:** Not applicable**Evaporation Rate:** No information available**Flammability (solid, gas):** None**Flammability or Explosive limits:****Upper:** No data available**Lower:** No data available**Vapor Pressure:** Not determined**Vapor Density:** Not determined**Specific Gravity:** 1.0**Solubility:** Soluble in water**Partition coefficient, n-octanol/water:** No data available**Autoignition Temperature:** No information available**Decomposition Temperature:** No information available**Viscosity:** No information available**Section 10: Stability and Reactivity****Reactive Hazard:** None known, based on information available**Stability:** Stable under ordinary conditions of use and storage.**Conditions to Avoid:** None known**Incompatible Materials:** Nitric Acid**Hazardous Decomposition Products:** None**Hazardous Polymerization:** Does not occur.**Hazardous Reactions:** None under normal processing.**Section 11: Toxicological Information****Acute Toxicity:****Product Information:** No acute toxicity information is available for this product**Component Information:**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water	-	Not listed	Not listed
Potassium Hydrogen Phthalate	Acute: >3200mg/kg (Rat)	Not listed	Not listed
Thymol	Acute: 980 mg/kg (Rat)	Not listed	Not listed

Toxicologically Synergistic: No information available**Products****Delayed and immediate effects as well as chronic effects from short and long term exposure.**

Irritation: No information available

Sensitization: No information available

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Water	7732-18-5	Not listed	Not listed	Not listed	Not listed	Not listed
Potassium Hydrogen Phthalate	877-24-7	Not listed	Not listed	Not listed	Not listed	Not listed
Thymol	89-83-8	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects: No information available.

Reproductive Effects: No information available.

Developmental Effects: No information available.

Teratogenicity: No information available.

STOT – single exposure: None known

STOT – repeated exposure: None known

Aspiration hazard: No information available

Symptoms / effects, both acute and delayed: No information available

Endocrine Disruptor Information: No information available

Other Adverse Effects: The toxicological properties have not been fully investigated.

Section 12: Ecological Information

Ecotoxicity: Do not empty into drains.

Persistence and Degradability: No information available

Bioaccumulation/Accumulation: No information available

Mobility: No information available.

Section 13: Disposal Considerations

Waste Disposal Methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Section 14: Transport Information

DOT: Not regulated

TDG: Not regulated

IATA: Not regulated

IMD/IMO: Not regulated

Section 15: Regulatory Information

European Information: None

US/Canada Information:

SARA/Title III: Not listed

Cal. Proposition 65: Ingredients not listed

US TSCA Inventory: Ingredients are listed

CPR Class: None

TDG Class: None

MSDS discloses elements required by the CPR

Section 16: Other Information

Product Use: Laboratory Reagent.

Disclaimer:

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