

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

Product identifier:

Identification as on the label/Trade name: ACME Analytical Solutions pH 4 Buffer Solution

Full listed title: Acme Analytical Solutions pH 4 Buffer Solution, Color Coded Red, pH Calibration Solution, 3.8 liters, 1 Gallon, NIST Traceable Reference Standard, Work with All pH Mater, Made in The USA

Brand: ACME Analytical Solutions

ASIN: B08CPSF17C

Relevant identification uses of the substance and uses advised against:

Identified uses: pH reference standard.

Uses advised against: No other uses are advised.

Details of the Supplier of the Safety Data Sheet:

Acme Analytical Solutions, Inc.
1876 Sabre Street
Hayward, CA 94545
+1-(888)-783-1555
www.acmeas.com

Emergency telephone numbers:

24-hour Emergency Contact:
CHEMTREC 24-hour: +1-800-424-9300 (USA)

Section 2: Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Hazard classes/Hazard categories:

Not classified as hazardous.

Label elements:

Hazard pictogram: No pictogram.

Signal word: No signal word.

Hazard statements: Not applicable.

Precautionary statements: Not applicable.

Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture.

Ingredients:

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight	SCLs, M-Factors, Acute Toxicity Estimates (ATE)	Classification EC1272/2008
	EC-No.			
Water	7732-18-5	98%	-	Not classified
	231-791-2			
Potassium hydrogen phthalate	877-24-7	< 1%	-	Not classified
	212-889-4			
FD&C Red No. 40	25956-17-6	< 0.1%	-	Not classified
	247-368-0			

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures

Description of first aid measures:

After inhalation: Move to fresh air.

After skin contact: Wash off with soap and water.

After eye contact: In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

After swallowing: Rinse mouth with water. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed:

No further information available.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

Section 5: Fire-Fighting Measures

Extinguisher media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: None known.

Special exposure hazards: None known.

Protection for fire-fighters: No special precautions required.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Methods for containment and cleaning up:

Absorb with suitable material and dispose of in accordance with local regulations.

Section 7: Handling and Storage

Precautions for safe handling:

As with all chemicals, wash hands thoroughly after handling. Avoid contact with skin and eyes.

Conditions for safe storage, including incompatibilities:

Keep in a dry place in properly labelled containers. Keep container closed.

Specific end uses: Refer to Section 1.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits: The product does not contain substances with occupational exposure limits.

Exposure controls:

Appropriate engineering controls: No specific controls are needed.

Individual protection measures, such as personal protective equipment:

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection: Wear suitable gloves.

Eye protection: Goggles.

Body protection: Wear protective clothing as appropriate.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance (form): Liquid.

Color: Red.

Odor: Odorless.

Odor threshold: No data available.

pH: 4.01 ± 0.02

Melting point/range (°C): 0 °C

Boiling point/range (°C): 100 °C

Flash point (°C): No data available.

Evaporation rate: No data available.

Flammability: Non-flammable.

Upper/lower flammability limits: No data available.

Vapor pressure (20 °C): No data available.
Vapor density: No data available.
Relative density: ~ 1.0
Water solubility (g/L) at 20 °C: Soluble.
n-Octanol/Water partition coefficient: No data available.
Auto-ignition temperature: No data available.
Viscosity, dynamic (mPa.s): No data available.

Section 10: Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability: The product is stable at under recommended conditions of storage and handling.
Conditions to avoid: None known.
Incompatible materials: None known.
Hazardous decomposition products: None.

Section 11: Toxicological Information

Information on toxicological effects:
Acute toxicity: No data available.
Skin corrosion/irritation: No data available.
Serious eye damage/irritation: No data available.
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.
STOT-single exposure: No data available.
STOT-repeated exposure: No data available.
Aspiration hazard: No data available.

Section 12: Ecological Information

Toxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Results of PBT& vPvB assessment: No data available.

Section 13: Disposal Considerations

Product: Dispose of in accordance with local or national regulations.
Contaminated packaging: Empty packages can be recycled.

Section 14: Transport Information

UN number: -

UN proper shipping name: Not regulated as dangerous goods.

Transport hazard class: -

Packing group: -

Environmental hazards: -

Special precautions for user: Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR.

Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding restrictions: None known.

EU Regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

US Regulations:

SARA Title III Section 302/304 Extremely Hazardous Substance: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Title III Section 311/312 Hazard Categorization: Not applicable.

SARA Title III Section 313 Supplier Information: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

CERCLA Section 102(a) Hazardous Substance: This material does not contain any chemical components with CERCLA reportable quantities.

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Chemical Safety Assessment carried out: No.

Section 16: Other Information

Indication of changes: GHS aligned.

Relevant classification and H statements (number and full text): None.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Disclaimer: Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.