

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification**Product Name** PH Meter Buffer Solution 10.0 (Blue)**Commercial Name** Not available.**Product Use** Not available.**Restrictions On Use** Not available.**Product Code** 30-3600**Company** PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300**Section 2: Hazard(s) Identification****OSHA Haz Com:** Not available.**CFR 1910.1200****Signal Word** NON-HAZARDOUS**Hazard Statement(s)** Not available.**Pictogram(s) or Symbol(s)****Precautionary Statement(s):**

Prevention	Observe good industrial hygiene practices
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

Section 3: Composition/Information on Ingredients

Substance/Mixture	Substance
Components	PH Meter Buffer Solution 10 (Blue)
% By Weight	100
CAS#	Not available.
Molecular Weight	Not available.
Chemical Formula	Not available.
Synonym(s)	Not available.

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
	Not available		Not available	Not available

Section 4: First-Aid Measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye Contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Symptoms/Effects	
Acute	Direct contact with eyes may cause temporary irritation
Delayed	Not available.
Immediate Medical Attention	
Treat symptomatically.	

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire
Products of Combustion	Not available.

Firefighters Special Equipment and Precautions

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. Methods and materials for containment and cleaning up: This product is miscible in water. Large Spills: Dilute with water. Small quantities may be flushed to drains with plenty of water. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

Precautions for safe handling: Avoid prolonged exposure. Observe good industrial hygiene practices. Conditions for safe storage, including any incompatibilities: Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Section 8: Exposure Controls/Personal Protection

Exposure Limits	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) Components Type Value SODIUM HYDROXIDE (CAS 1310-73-2) PEL 2 mg/m3 US. ACGIH Threshold Limit Values Components Type Value SODIUM HYDROXIDE (CAS 1310-73-2) Ceiling 2 mg/m3 US. NIOSH: Pocket Guide to Chemical Hazards Components Type Value SODIUM HYDROXIDE (CAS 1310-73-2) Ceiling 2 mg/m3 TWA 1 mg/m3S No biological exposure limits noted for the ingredient(s)
Engineering Controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Personal Protection	Eye/face protection Wear safety glasses with side shields (or goggles). Skin protection Hand protection Wear appropriate chemical resistant gloves. Other Wear suitable protective clothing. Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Thermal hazards Wear appropriate thermal protective clothing, when necessary. General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical and Chemical Properties

Appearance	Clear solution. Color coded blue.		
Odor	Odorless.		
Odor Threshold	Not available.		
Melting Point	32 °F (0 °C) estimated	pH	10.00
Freezing Point	32 °F (0 °C) estimated	Vapor Pressure	Not available.
Boiling Point/Range	> 212 °F (> 100 °C)	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Miscible in water.		
Other	Density 1.006 g/cm3 estimated Percent volatile 99 % estimated		

Section 10: Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport
Chemical Stability	Material is stable under normal conditions.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to Avoid	None known. Contact with incompatible materials
Incompatible Materials	Not available.
Hazardous Decomposition Products	No hazardous decomposition products are known

Section 11: Toxicological Information

RTECS	Not available.
Acute Toxicity	Dermal: LD50 Rabbit 99999 mg/kg Oral LD50 Rat 99999 mg/kg Other LD50 Mouse 46975.0898 mg/kg estimated
Skin Corrosion/Irritation	Prolonged skin contact may cause temporary irritation.
Serious Eye Damage/Irritation	May irritate eyes.
Respiratory or Skin Sensitization	Not available.
Germ Cell Mutagenicity	Not available.
Carcinogenicity	Not available.
Reproductive Toxicity	Not available.
Routes of Entry	Inhalation Prolonged inhalation may be harmful. Skin contact No adverse effects due to skin contact are expected. Eye contact Direct contact with eyes may cause temporary irritation. Ingestion Expected to be a low ingestion hazard.

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Symptoms Related to Exposure

Direct contact with eyes may cause temporary irritation.

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

BUFFER SOLUTION, pH 10.00, (COLOR CODED BLUE) (CAS Mixture) Aquatic EC50Crustacea 58371 mg/l, 48 HoursDaphnia LC50 33244 mg/l, 24 HoursDaphnia 26756 mg/l, 48 Hours LC50Fish 35091 mg/l, 48 HoursFish 30689 mg/l, 24 Hours 18630 mg/l, 96 Hours 10940 mg/l, 6 Days ACID BLUE 9 (CAS 3844-45-9) Aquatic LC50Fish 332 mg/l, 96 hoursCoho salmon,silver salmon (Oncorhynchus kisutch) SODIUM HYDROXIDE (CAS 1310-73-2) Aquatic EC50Crustacea 34.59 - 47.13 mg/l, 48 hoursWater flea (Ceriodaphnia dubia) LC50Fish 125 mg/l, 96 hours SODIUM TETRABORATE, DECAHYDRATE (CAS 1303-96-4) Aquatic LC50Fish 104 mg/l, 96 hoursWestern mosquitofish (Gambusia affinis) * Estimates for product may be based on additional component data not shown. THYMOL (CAS 89-83-8) Aquatic LC50Fish 3.2 mg/l, 96 hours

Persistence and Degradability

Not available.

Bioaccumulative Potential

Partition coefficient n-octanol / water (log Kow) THYMOL 3.3

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Local disposal regulations Dispose in accordance with all applicable regulations. Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company. Waste from residues /unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Disposal of Container

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Not available.

Other

Not available.

Section 16: Other Information

Not available.