

Section 1: Identification

Common Name/Trade Name	pH Buffer Alkaline (pH 10.01)	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	N/A	
Relevant Use(s) of Product	Laboratory Chemical	

Section 2: Hazards Identification

Classification of Substance or Mixture	This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)	
Signal Word	None	
Hazard Statement(s)	N/A	
Pictogram(s)	N/A	
Precautionary Statement(s)	P202 Do not handle until all safety precautions have been read and understood.	
Hazards Not Otherwise Classified	No information available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	N/A	
Common Name	pH 10.01 Buffer	
CAS Number	N/A	
Additional Ingredient Information	*The exact percentage (concentration) of composition has been withheld as a trade secret.	
Material	Percent	CAS
Water	90-100%	7732-18-5
Sodium Carbonate	0-10%	497-19-8
Sodium Bicarbonate	0-10%	144-55-8
Methylparaben	0-10%	99-76-3
FD & C Blue #1	0-10%	3844-45-9
Impurities and/or Stabilizing Additives	No data available	

Section 4: First Aid Measures

General Advice	Use first aid treatment according to the nature of the injury. For further assistance, contact your local Poison Control Center. Show this safety data sheet to the doctor in attendance. Protection of First-aiders Use personal protective equipment. See Section 8 for more detail. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Notes to Physician Treat symptomatically
If Inhaled	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, obtain medical attention.
In Case of Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
In Case of Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Obtain medical attention.
If Swallowed	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Call a physician or Poison Control Center immediately.
Most Important Symptoms and Effects	No information available

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Unsuitable Extinguishing Media No information available
Special Hazards Arising From the Substance/Mixture	Thermal decomposition can lead to release of irritating gases and vapors.
Special PPE and/or 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, Protective Equipment and Emergency Procedures	Use personal protective equipment. Evacuate personnel to safe areas.
Methods and Materials Used for Containment	Prevent further leakage or spillage if safe to do so.
Cleanup Procedures	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Section 7: Handling and Storage

Precautions for Safe Handling	To avoid risks to human health and the environment, comply with the instructions for use. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice.
Conditions for Safe Storage	Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Keep away from direct sunlight

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	Derived No Effect Level (DNEL) No information available Predicted No Effect Concentration (PNEC) No information available
Appropriate Engineering Controls	Showers Eyewash stations Ventilation systems Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.
PPE - Eye/Face Protection	Wear chemical splash goggles. If splashes are likely to occur, wear:. Face-shield.
PPE - Skin Protection	Wear protective gloves/clothing.
PPE - Body Protection	Wear protective gloves/clothing.
PPE - Respiratory Protection	None required under normal usage. In case of inadequate ventilation wear respiratory protection.

Section 9: Physical and Chemical Properties

Appearance	Light blue Liquid
Upper/Lower Flammability or Explosive Limits	No information available
Odor	None
Vapor Pressure	No information available
Odor Threshold	No information available
Vapor Density	No information available
pH	8.51 - 11.51
Relative Density	No information available
Melting Point/Freezing Point	No information available
Solubility	Soluble in Water
Initial Boiling Point and Boiling Range	Boiling Point/Range ~ 100 Â°C / 212 Â°F
Flash Point	No information available
Evaporation Rate	No information available
Flammability (Solid, Gas)	No information available
Partition Coefficient	No information available
Auto-Ignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	No information available

Section 10: Stability and Reactivity

Reactivity	No information available
Chemical Stability	Stable under normal conditions
Possibility of Hazardous Reactions	None under normal processing
Conditions to Avoid	Extremes of temperature and direct sunlight
Incompatible Materials	No information available
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Product does not present an acute toxicity hazard based on known or supplied information. Water > 90 mL/kg (Rat) Sodium Carbonate 4090 mg/kg (Rat) Sodium Bicarbonate 4220 mg/kg (Rat) Methylparaben 2100 mg/kg (Rat)
Acute Toxicity - Inhalation	Sodium Carbonate 2300 mg/m3 (Rat) 2 h
Acute Toxicity - Dermal	No information available
Acute Toxicity - Eye	No information available
Skin Corrosion/Irritation	No information available
Serious Eye Damage/Irritation	No information available
Respiratory or Skin Sensitization	No information available
Germ Cell Mutagenicity	No information available
Carcinogenicity IARC	No information available
Carcinogenicity ACGIH	No information available
Carcinogenicity NTP	No information available
Carcinogenicity OSHA	No information available
Reproductive Toxicity	No information available
Specific Target Organ Toxicity - Single Exposure	No information available
Specific Target Organ Toxicity - Repeated Exposure	No information available
Aspiration Hazard	No information available

Section 12: Ecological Information

Toxicity	Component Freshwater Algae Freshwater Fish Water Flea Sodium Carbonate 242 mg/L EC50 = 120 h 310 - 1220 mg/L LC50 96 h 300 mg/L LC50 96 h 265 mg/L EC50 = 48 h Sodium Bicarbonate 650 mg/L EC50 = 120 h 8250 - 9000 mg/L LC50 96 h 2350 mg/L EC50 = 48 h 12.2. Persistence
Persistence and Degradability	No information available
Bio-accumulative Potential	No information available
Mobility in Soil	No information available
Other Adverse Effects	No information available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Waste Treatment Methods Packaging	Improper disposal or reuse of this container may be dangerous and illegal.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

International Inventories USINV Complies CANINV Complies EINECS/ELINCS Complies ENCS Does not Comply IECSC Complies KECL Complies PICCS Complies AICS Complies USINV/ TSCA - United States Toxic Substances Control Act Section 8(b) Inventory CANINV/ DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances ENCS - Japanese Existing and New Chemical Substances IECSC - Chinese Inventory of Existing Chemical Substances KECL - Korean Existing and Evaluated Chemical Substances PICCS - Philippines Inventory of Chemicals and Chemical Substances AICS - Australian Inventory of Chemical Substances USINV/ TSCA - United States Toxic Substances Control Act Section 8(b) Inventory CANINV/ DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances ENCS - Japanese Existing and New Chemical Substances IECSC - Chinese Inventory of Existing Chemical Substances KECL - Korean Existing and Evaluated Chemical Substances PICCS - Philippines Inventory of Chemicals and Chemical Substances AICS - Australian Inventory of Chemical Substances U.S. Federal Regulations SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372. SARA 311/312 Hazardous Categorization Acute Health Hazard No Chronic Health Hazard No Fire Hazard No Sudden Release of Pressure Hazard No Reactive Hazard No Clean Water Act Not applicable CERCLA This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material U.S. State Regulations California Proposition 65 This product does not contain any Proposition 65 chemicals State Right-to-Know Component New Jersey Massachusetts Pennsylvania Water 7732-18-5 - - X FD & C Blue #1 - X -

3844-45-9 U.S. EPA Label Information No information available

Section 16: Other Information

Additional Information	N/A
Prepared By	Lisa Russell
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Disclaimer

Letco Medical, LLC believes that the above information is correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. If the product is used as a component in another product, this information may not be applicable. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED ABOVE. Letco Medical shall not be held liable for any loss or damage resulting from handling, storage, use or from contact with the above product.