

Section 1: Identification

Common Name/Trade Name	pH Buffer Acid (pH 4.01)	
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 mixture is classified as not hazardous according to regulation (EC) 1272/2008 [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 4.01 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
	Potassium Hydrogen Phthalate	0-10%	877-24-7
	Potassium Hydroxide	0-10%	1310-58-3
	Amaranth Red No. 27	0-10%	915-67-3
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	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. 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	Potassium Hydroxide 1310-58-3 - STEL: 2 mg/m ³ 15 min STEL / VLCT: 2 mg/m ³ . STEL / VLA-EC: 2 mg/m ³ (15 minutos). - Component Italy Portugal The Netherlands Finland Denmark Potassium Hydroxide 1310-58-3 - Ceiling: 2 mg/m ³ - STEL: 2 mg/m ³ 15 minuutteina Ceiling: 2 mg/m ³ Ceiling: 2 mg/m ³ Component Austria Switzerland Poland Norway Ireland Potassium Hydroxide 1310-58-3 MAK-TMW: 2 mg/m ³ 8 Stunden TWA: 2 mg/m ³ 8 Stunden STEL: 1 mg/m ³ 15 minutach TWA: 0.5 mg/m ³ 8 godzinach Ceiling: 2 mg/m ³ STEL: 2 mg/m ³ 15 min
Appropriate Engineering Controls	Showers Eyewash stations Ventilation systems
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	No protective equipment is needed under normal use conditions. In case of inadequate ventilation wear respiratory protection.

Section 9: Physical and Chemical Properties

Appearance	Light red Liquid
Upper/Lower Flammability or Explosive Limits	No information available
Odor	Odorless
Vapor Pressure	No information available
Odor Threshold	No information available
Vapor Density	No information available
pH	No information available
Relative Density	No information available
Melting Point/Freezing Point	No information available
Solubility	Soluble in Water
Initial Boiling Point and Boiling Range	~ 100 °C / 212 °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) Potassium Hydrogen Phthalate 3200 mg/kg (Rat) Potassium Hydroxide 284 mg/kg (Rat)
Acute Toxicity - Inhalation	Product does not present an acute toxicity hazard based on known or supplied information
Acute Toxicity - Dermal	Product does not present an acute toxicity hazard based on known or supplied information
Acute Toxicity - Eye	Product does not present an acute toxicity hazard based on known or supplied information
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 Potassium Hydroxide - 80 mg/L LC50 96 h -
Persistence and Degradability	No information available
Bio-accumulative Potential	No information available Component log Pow Potassium Hydroxide 0.83
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	No data available

Section 15: Regulatory Information

European Union Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work 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/NDSL - 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 A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required

Section 16: Other Information

Additional Information	
Prepared By	Lisa Russell
Revision Date	01/07/2019 12:17

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.