

## Section 1: Identification

<b>Common Name/Trade Name</b>	pH Buffer Acid (pH 4.01)	
<b>Supplier Information</b>	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours)
<b>Product Synonym(s)</b>	N/A	
<b>Relevant Use(s) of Product</b>	Laboratory Chemical	

## Section 2: Hazards Identification

<b>Classification of Substance or Mixture</b>	This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]
<b>Signal Word</b>	None
<b>Hazard Statement(s)</b>	N/A
<b>Pictogram(s)</b>	N/A
<b>Precautionary Statement(s)</b>	P202 Do not handle until all safety precautions have been read and understood.
<b>Hazards Not Otherwise Classified</b>	No information available
<b>Ingredient(s) with Unknown Toxicity</b>	No data available

## Section 3: Composition/Information on Ingredients

<b>Chemical Name</b>	N/A	
<b>Common Name</b>	pH 4.01 Buffer	
<b>CAS Number</b>	N/A	
<b>Additional Ingredient Information</b>	*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
<b>Impurities and/or Stabilizing Additives</b>	No data available	

## Section 4: First Aid Measures

<b>General Advice</b>	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
<b>If Inhaled</b>	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, obtain medical attention.
<b>In Case of Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
<b>In Case of Eye Contact</b>	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.
<b>If Swallowed</b>	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Call a physician or Poison Control Center immediately.
<b>Most Important Symptoms and Effects</b>	No information available

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Unsuitable Extinguishing Media No information available
<b>Special Hazards Arising From the Substance/Mixture</b>	Thermal decomposition can lead to release of irritating gases and vapors.
<b>Special PPE and/or Precautions for Firefighters</b>	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

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Use personal protective equipment. Evacuate personnel to safe areas.
<b>Methods and Materials Used for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Cleanup Procedures</b>	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	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.
<b>Conditions for Safe Storage</b>	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

<b>Components with Workplace Control Parameters</b>	Potassium Hydroxide 1310-58-3 - STEL: 2 mg/m3 15 min STEL / VLCT: 2 mg/m3. STEL / VLA-EC: 2 mg/m3 (15 minutos). - Component Italy Portugal The Netherlands Finland Denmark Potassium Hydroxide 1310-58-3 - Ceiling: 2 mg/m3 - STEL: 2 mg/m3 15 minuutteina Ceiling: 2 mg/m3 Ceiling: 2 mg/m3 Component Austria Switzerland Poland Norway Ireland Potassium Hydroxide 1310-58-3 MAK-TMW: 2 mg/m3 8 Stunden TWA: 2 mg/m3 8 Stunden STEL: 1 mg/m3 15 minutach TWA: 0.5 mg/m3 8 godzinach Ceiling: 2 mg/m3 STEL: 2 mg/m3 15 min
<b>Appropriate Engineering Controls</b>	Showers Eyewash stations Ventilation systems
<b>PPE - Eye/Face Protection</b>	Wear chemical splash goggles. If splashes are likely to occur, wear: Face-shield.
<b>PPE - Skin Protection</b>	Wear protective gloves/clothing.
<b>PPE - Body Protection</b>	Wear protective gloves/clothing.
<b>PPE - Respiratory Protection</b>	No protective equipment is needed under normal use conditions. In case of inadequate ventilation wear respiratory protection.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Light red Liquid
<b>Upper/Lower Flammability or Explosive Limits</b>	No information available
<b>Odor</b>	Odorless
<b>Vapor Pressure</b>	No information available
<b>Odor Threshold</b>	No information available
<b>Vapor Density</b>	No information available
<b>pH</b>	No information available
<b>Relative Density</b>	No information available
<b>Melting Point/Freezing Point</b>	No information available
<b>Solubility</b>	Soluble in Water
<b>Initial Boiling Point and Boiling Range</b>	~ 100 °C / 212 °F
<b>Flash Point</b>	No information available
<b>Evaporation Rate</b>	No information available
<b>Flammability (Solid, Gas)</b>	No information available
<b>Partition Coefficient</b>	No information available
<b>Auto-Ignition Temperature</b>	No information available
<b>Decomposition Temperature</b>	No information available
<b>Viscosity</b>	No information available

## Section 10: Stability and Reactivity

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

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	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 )
<b>Acute Toxicity - Inhalation</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Acute Toxicity - Dermal</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Acute Toxicity - Eye</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Skin Corrosion/Irritation</b>	No information available
<b>Serious Eye Damage/Irritation</b>	No information available
<b>Respiratory or Skin Sensitization</b>	No information available
<b>Germ Cell Mutagenicity</b>	No information available
<b>Carcinogenicity IARC</b>	No information available
<b>Carcinogenicity ACGIH</b>	No information available
<b>Carcinogenicity NTP</b>	No information available
<b>Carcinogenicity OSHA</b>	No information available
<b>Reproductive Toxicity</b>	No information available
<b>Specific Target Organ Toxicity - Single Exposure</b>	No information available
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	No information available
<b>Aspiration Hazard</b>	No information available

## Section 12: Ecological Information

<b>Toxicity</b>	Component Freshwater Algae Freshwater Fish Water Flea Potassium Hydroxide - 80 mg/L LC50 96 h -
<b>Persistence and Degradability</b>	No information available
<b>Bio-accumulative Potential</b>	No information available Component log Pow Potassium Hydroxide 0.83
<b>Mobility in Soil</b>	No information available
<b>Other Adverse Effects</b>	No information available

## Section 13: Disposal Considerations

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

## Section 14: Transport Information

<b>UN Number</b>	Not dangerous goods
<b>UN Proper Shipping Name</b>	N/A
<b>Transport Hazard Class(es)</b>	N/A
<b>Packaging Group</b>	N/A
<b>Environmental Hazards</b>	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/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 A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required

## Section 16: Other Information

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

### Disclaimer

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