

PHOENIX SCIENTIFIC, INC.

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

PSI MSDS NO.: 600012

SECTION I			
MANUFACTURER'S NAME Phoenix Scientific, Inc.		EMERGENCY TELEPHONE NO. 816-364-3777 (days) 816-487-2010 (evenings)	
ADDRESS (Number, Street, City, State and Zip Code) 3915 S. 48th Street Terrace, St. Joseph, MO 64503			
CHEMICAL NAME AND SYNONYMS Electrolytes		TRADENAME AND SYNONYMS Lactated Ringers Injection	
CHEMICAL FAMILY Biological Fluid Maintenance		FORMULA N/A Chemical Mixture	
SECTION II - HAZARDOUS INGREDIENTS			
		%	TLV (Units)
N/A			
SECTION III - PHYSICAL DATA			
Boiling Point (°F)	100°C	Specific Gravity (H ₂ O = 1)	1.02
Vapor Pressure (mm Hg)	N/A	Percent, Volatile by Volume (%)	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (_____ = 1)	N/A
Solubility In Water	Miscible		
Appearance and Odor			
SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (Method Used): N/A	Flammable Limits: N/A	LEL N/A	UEL N/A
Extinguished Media: As appropriate for surrounding material.			
Special Fire Fighting Procedures: None			
Unusual Fire and Explosion Hazards: None			

SECTION V - HEALTH HAZARD DATA			
Threshold Limit Value: N/A			
Effects of Overexposure: Nausea, vomiting, shortness of breath.			
Target Organs:	Eyes, skin, GI tract		
Primary Routes of Entry:	Eye & skin contact, ingestion.		
Eye Contact:	Flush eyes with water for 15 minutes. Seek medical attention if irritation persists.		
Skin contact:	Wash with soap and water. Seek medical attention if irritation persists.		
Inhalation:	Remove victim to fresh air. Apply artificial respiration if needed.		
Ingestion:	Induce vomiting if victim is conscious. (Never induce vomiting in an unconscious person) Seek medical attention if adverse reactions occur.		
Emergency and First Aid Procedures: Contact nearest poison control center.			
NTP: No	IARC: No	Z List: No	OSHA: No EPA: No
SECTION VI - REACTIVITY DATA			
Stability	Unstable		Conditions To Avoid: None Known
	Stable	X	
Incompatibility (Materials to avoid): None Known			
Hazardous Decomposition Products: None Known			
Hazardous Polymerization	May Occur		Conditions To Avoid:
	Will Not Occur	X	None Known
SECTION VII - SPILL OR LEAK PROCEDURES			
Steps to be taken in case material is released or spilled: Flush to drain using plenty of water.			
Waste disposal method: As per local, state and federal regulations.			
SECTION VIII - SPECIAL PROTECTION INFORMATION			
Respiratory Protection (Specify Type): None normally required.			
Ventilation	Local Exhaust: None normally required		Special: N/A
	Mechanical (General): N/A		Other: N/A
Protective Gloves: If desired.		Eye Protection: Yes	
Other Protective Equipment: Special protective equipment not normally needed.			
SECTION IX - SPECIAL PRECAUTIONS			
Cautions to be taken in handling and storing: Store per label directions.			
Other Precautions: READ AND FOLLOW ALL LABEL DIRECTIONS			
NOTICE: The information contained herein is believed to be complete and accurate. However, it is the user's responsibility to determine the suitability of the information for his or her particular purpose. Phoenix Scientific, Inc. assumes no additional liability or responsibility resulting from the use of, or reliance on, this information.			