

# OraSure Technologies, Inc.

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Effective Date: 11/29/00

IN CASE OF EMERGENCY  
CALL: 1-800-535-5053

## Material Safety Data Sheet

I. GENERAL INFORMATION			
Identity (as used on label): <i>TRIS PRE-BUFFER</i>			
II. HAZARDOUS INGREDIENTS			
Principal Hazardous Components:	CAS #	%	TLV (Units)
<i>Tris (hydroxymethyl) aminoethane</i>	77-86-1	3	<i>Not Available</i>
III. PHYSICAL DATA			
Boiling Point (@ 76 mmHg)(°F): <i>Not Available</i>	Specific Gravity (H <sub>2</sub> O=1.0): <i>Not Available</i>		
Vapor Pressure (mmHg @ 68°F): <i>Not Available</i>	Percentage Volatile by Volume: <i>Not Available</i>		
Vapor Density (Air=1): <i>Not Available</i>	pH: <i>9.0</i>		
Solubility in Water: <i>Freely soluble</i>	Evaporation Rate (Butyl Acetate=1): <i>Not Available</i>		
Appearance and Odor: <i>Clear, colorless buffer.</i>			
IV. FIRE AND EXPLOSION HAZARD DATA			
Flash Point (Method): <i>Not Available</i>	Auto Ignition Temperature: <i>Not Available</i>		
Flammable Limits in Air (% by Volume): <i>Not Available</i>			
Extinguishing Media: <b>CO<sub>2</sub></b> <b>Foam</b> <b>Dry Chemical</b>			
Special Fire Fighting Procedures: <i>Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.</i>			
Unusual Fire and Explosion Hazards: <i>Combustible.</i>			

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<b>V. REACTIVITY DATA</b>	
Stability: <b>Stable</b> Conditions to Avoid: <i>Avoid Excess Heat</i>	
Incompatibility (Materials to Avoid): <i>No specific information is available.</i>	
Hazardous Polymerization: <b>Will Not Occur</b> Conditions to Avoid: <i>N/A</i>	
Hazardous Decomposition Products: <i>Products of combustion include carbon oxides and nitrogen oxides.</i>	
<b>VI. HEALTH HAZARD DATA</b>	
Threshold Limit Value: <i>N/A</i> Carcinogen: <i>N/A</i>	
Effects of Exposure:	<b>Eye Contact</b> - <i>May cause eye irritation.</i> <b>Skin Contact</b> - <i>May cause skin irritation.</i> <b>Ingestion/Inhalation</b> - <i>Slightly dangerous to dangerous in case of ingestion or inhalation.</i>
Primary Route(s) of Entry: <b>Eye Contact</b> <b>Ingestion</b> <b>Inhalation</b>	
First Aid Procedures:	<b>Eye Contact</b> - <i>Flush eyes with copious amounts of water for at least 15 minutes. Do NOT use eye ointment. Seek medical attention.</i> <b>Skin Contact</b> - <i>Wash affected areas with soap and water until no evidence of chemical remains. Seek medical attention if irritation persists..</i> <b>Inhalation</b> - <i>Remove to fresh air or well-ventilated area. If not breathing, give artificial respiration. Seek immediate medical attention.</i> <b>Ingestion</b> - <i>Have conscious person drink several glasses of water or milk. INDUCE VOMITING by sticking finger in throat. Seek immediate medical attention.</i>
<b>VII. ENVIRONMENTAL PROTECTION PROCEDURES</b>	
Spill Response: <i>Shut off all sources of ignition. Wear respiration for large spills. As with non-hazardous material, wear protective gloves, eyewear and outer clothing.</i>	
Waste Disposal Method: <i>Dispose of material in accordance with state or local regulations.</i>	
<b>VIII. SPECIAL PROTECTION INFORMATION</b>	
Protection:	<b>Respiratory</b> - <i>None</i> <b>Eye</b> - <i>Chemical safety glasses or goggles</i> <b>Skin</b> - <i>Disposable rubbers gloves and protective clothing</i>
Ventilation Recommended:	<b>Local Exhaust</b> - <i>Recommended</i> <b>Mechanical (General)</b> - <i>N/A</i>
Other Protective Equipment: <i>None</i>	
<b>IX. SPECIAL PRECAUTIONS</b>	
Handling and Storage: <i>Recommend storage at 2-8° C.</i>	
Other Precautions: <i>None</i>	

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, OTI makes no warranty with respect to the accuracy of the information or the suitability of the recommendations and assumes no liability to any user thereof.