

# OraSure Technologies, Inc.

▪ 150 Webster Street, Bethlehem, PA 18015-1389  
▪ (610) 882-1820 ▪ Fax: (610) 882-1830  
▪ www.orasure.com

Effective Date: 11/29/00

IN CASE OF EMERGENCY  
CALL: 1-800-869-3538

## Material Safety Data Sheet

I. GENERAL INFORMATION			
<b>Identity</b> (as used on label): <i>Micro-Plate EIA Substrate Reagent</i>			
II. HAZARDOUS INGREDIENTS			
Principal Hazardous Components:	CAS #	%	TLV (Units)
<i>Dimethyl Sulfoxide</i>	<i>67-68-5</i>	<i>15</i>	<i>Not Available</i>
<i>Tetramethyl Benzidine</i>	<i>54827-17-7</i>	<i>0.04</i>	<i>Not Available</i>
<i>Other Proprietary Ingredients*</i>		<i>3.81</i>	<i>Not Available</i>
<i>* Other Proprietary Ingredients, none of which are present in amounts greater than 1% for hazardous components, or 0.1% for carcinogenic components.</i>			
III. PHYSICAL DATA			
Boiling Point: <i>&gt;100°C</i>	Specific Gravity (H <sub>2</sub> O=1.0): <i>Not Known</i>		
Vapor Pressure (mmHg @ 68°F): <i>Not Known</i>	Percentage Volatile by Volume: <i>N/A</i>		
Vapor Density (Air=1): <i>Not Known</i>	pH: <i>5.0 - 5.5</i>		
Solubility in Water: <i>Completely</i>	Evaporation Rate (Butyl Acetate=1): <i>Not Known</i>		
Appearance and Odor: <i>Straw-yellow color, liquid, mild odor</i>			
IV. FIRE AND EXPLOSION HAZARD DATA			
Flash Point (Method): <i>Unknown</i>	Auto Ignition Temperature: <i>Unknown</i>		
Flammable Limits in Air (% by Volume): <i>Unknown</i>	LEL: <i>N/A</i>	UEL: <i>N/A</i>	
Extinguishing Media: <i>Use type suitable for surrounding fire.</i>			
Special Fire Fighting Procedures: <i>Toxic fumes may be emitted when heated to decomposition; firefighters should wear suitable breathing apparatus.</i>			
Unusual Fire and Explosion Hazards: <i>N/A</i>			

Continued ...

<b>V. REACTIVITY DATA</b>	
Stability:	<b>Stable</b> Conditions to Avoid: <i>N/A</i>
Incompatibility (Materials to Avoid): <i>Acid anhydrides and acid halides, Boron hydrides.</i>	
Hazardous Polymerization:	<b>Will Not Occur</b> Conditions to Avoid: <i>N/A</i>
Hazardous Decomposition Products: <i>None</i>	
<b>VI. HEALTH HAZARD DATA</b>	
Threshold Limit Value: <i>N/A</i> Carcinogen: <i>Has not been determined</i>	
Effects of Exposure:	<b>Eye Contact</b> - <i>May cause eye irritation</i> <b>Skin Contact</b> - <i>May cause itching and scaling of skin</i> <b>Inhalation of Vapors</b> - <i>May cause irritation of respiratory tract</i>
Primary Route(s) of Entry:	<b>Dermal      Inhalation      Ingestion</b>
First Aid Procedures:	<b>Eye Contact</b> - <i>Flush eyes immediately with copious amounts of water. Seek medical attention.</i> <b>Skin Contact</b> - <i>Remove contaminated clothing immediately, wash affected area with soap and water, until no evidence of chemical remains.</i> <b>Inhalation</b> - <i>Leave exposed area for fresh air immediately. Get medical attention.</i> <b>Ingestion</b> - <i>Seek medical attention immediately. Treat symptomatically.</i>
<b>VII. ENVIRONMENTAL PROTECTION PROCEDURES</b>	
Spill Response: <i>Wear gloves, protective clothing, absorb on sand or vermiculite and place in closed containers for disposal. Wash spill site with water and detergent.</i>	
Waste Disposal Method: <i>Dispose of in accordance with local, state, and federal regulations.</i>	
<b>VIII. SPECIAL PROTECTION INFORMATION</b>	
Protection:	<b>Respiratory</b> - <i>None required if ventilation is adequate.</i> <b>Eye</b> - <i>Splash-proof safety glasses; face shield</i> <b>Skin</b> - <i>Neoprene gloves and lab coats</i>
Ventilation Recommended:	<b>Local Exhaust</b> - <i>N/A</i> <b>Mechanical (General)</b> - <i>Recommended</i>
Other Protective Equipment: <i>None</i>	
<b>IX. SPECIAL PRECAUTIONS</b>	
Handling and Storage: <i>Store in dark at 2-8°C; take measures to avoid exposure to light.</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.