



Precision Laboratories, Inc  
415 Airpark Drive Cottonwood, AZ 86326  
Voice: 928-649-9833  
Fax: 928-649-2306  
Toll-free 1-800-733-0266

# MATERIAL SAFETY DATA SHEET

MSDS: PROTEIN DETECTION PADS

Revision Date: July 25, 2012  
Approved by: James A. Bertsch

Section 1 Chemical Product and Company Information	
Product	PROTEIN DETECTION PADS
Synonyms	Indicator Paper

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

Section 2 Hazards Identification	
Emergency Overview	
<b>WARNING!</b> MAY BE HARMFUL BY INGESTION. Do not put strips in mouth. Keep away from food, drink and animal foods. Avoid contact with skin and eyes. Keep container tightly closed. Store in a cool, dry place. Wash thoroughly after handling. Target organs: None known.	0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Health	1
Fire	0
Reactivity	0
Contact	0

HMIS \*

Section 3 Composition / Information on Ingredients			
Chemical Name	CAS #	%	TLV Units (ACGIH 2001)
Tetrabromophenol blue	4430-25-5	2.8%	None established.
Tetrabromophenolphthalein ethyl ester, potassium salt	62637-91-6	1.3%	None established.
Non-reactive ingredients		95.9%	None established.

Section 4 First Aid Measures	
<b>INGESTION:</b> Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.	
<b>INHALATION:</b> Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.	
<b>EYE CONTACT:</b> Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.	
<b>SKIN CONTACT:</b> Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.	

Section 5 Fire Fighting Measures	
<b>General information:</b> In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Fire or excessive heat may produce hazardous decomposition products to be produced as dust or fume.	

**Extinguishing Media:** Use any media suitable for extinguishing supporting fire.

**Flash Point:** N/A

**Autoignition temperature:** N/A

**Explosion Limits: Lower:** N/A **Upper:** N/A

Section 6 Accidental Release Measures	
Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation. Recover for use if not contaminated. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.	

0 = Minimal  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe



Section 7 Handling & Storage		GENERAL STORAGE CODE GREEN
Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.		
<b>Handling:</b> Use with adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion. Do not inhale dusts. Wash thoroughly after handling.		
<b>Storage:</b> Store in a cool, dry, well-ventilated area away from incompatible substances. Protect from light and excess heat.		

Section 8 Exposure Controls / Personal Protection	
<b>Engineering controls:</b> Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material.	
<b>Respiratory protection:</b> None should be needed in normal laboratory handling at room temperatures.	

Section 9 Physical & Chemical Properties	
<b>Physical state:</b> Solid.	<b>Boiling point:</b> N/A
<b>Appearance:</b> Paper strips.	<b>Freezing / Melting point:</b> N/A
<b>Odor:</b> No odor.	<b>Decomposition temperature:</b> N/A
<b>pH:</b> N/A	<b>Solubility:</b> N/A
<b>Vapor pressure (mm Hg):</b> N/A	<b>Specific gravity (H<sub>2</sub>O = 1):</b> N/A
<b>Vapor Density (Air = 1):</b> N/A	<b>Percent volatile (%):</b> N/A
<b>Evaporation rate ( = 1):</b> N/A	<b>Molecular formula:</b> N/A
<b>Viscosity:</b> N/A	<b>Molecular weight:</b> N/A

Section 10 Stability & Reactivity	
<b>Chemical stability:</b> Stable	<b>Hazardous polymerization:</b> Will not occur.
<b>Conditions to avoid:</b> Excessive temperatures, flame and light.	
<b>Incompatibilities with other materials:</b> May react with strong oxidizers.	
<b>Hazardous decomposition products:</b> May produce carbon oxides, sulfur oxides and bromine.	

Section 11 Toxicological Information	
<b>Effects of overexposure:</b> May be harmful by ingestion. May cause irritation. To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards. Toxicity data is not available.	

Section 12 Ecological Information	
Data not yet available.	

Section 13 Disposal Considerations	
These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.	

Section 14 Transport Information	
<b>UN/NA number:</b> N/A	
<b>Shipping name:</b> Not Regulated.	
<b>Hazard class:</b> N/A	
<b>Packing group:</b> N/A	
<b>Exceptions:</b> N/A	

Section 15 Regulatory Information	
Data not yet available.	

Section 16 Additional Information	
The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards.	