

Issuing Date 5/21/2012

Revision Number 0

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Name</b>	BioPaddle with Trypticase Soy Agar and Rose Bengal Agar
<b>Product Code(s)</b>	5552
<b>Synonyms</b>	none / ninguno / aucun
<b>Recommended Use</b>	Culture medium.
<b>Company</b>	LaMotte Company, Inc. 802 Washington Avenue P.O. Box 329 Chestertown, MD 21620 USA
<b>Manufactured by:</b>	Precision Labs Inc. Cottonwood, AZ 86326
<b>Emergency Telephone Number</b>	24 Hour Emergency Number (CHEM-TEL): USA, Canada, Puerto Rico 1-800-255-3924 Outside North American Continent (Call collect) 813-248-0585

**2. HAZARDS IDENTIFICATION**

<b>Emergency Overview</b> May cause skin and eye irritation May be harmful if swallowed		
<b>Appearance</b> Side One, Off-white, Side Two, Pink, Magenta	<b>Physical State</b> BioPaddle - a paddle with two sides of agar within a vial	<b>Odor</b> Characteristic

<b>OSHA Regulatory Status</b>	This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>Potential Health Effects</b> <b>Principle Routes of Exposure</b>	Ingestion
<b>Acute Toxicity</b> <b>Eyes</b> <b>Skin</b> <b>Inhalation</b> <b>Ingestion</b>	No adverse effects expected from eye contact, but may cause irritation and redness. Not expected to be a health hazard from skin contact. May cause slight irritation. Not an expected route of exposure. May cause irritation. May be harmful if swallowed. May cause gastrointestinal discomfort if consumed in large amounts.
<b>Chronic Effects</b> <b>Aggravated Medical Conditions</b>	None known.
<b>Environmental Hazard</b>	No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Chemical Name	CAS-No	Weight %
Rose bengal	-	<0.01
peptone, bacteriological	-	0.5
Sodium chloride USP	7647-14-5	0.5
Papaic Digest of Soybean	-	0.5
Glycine, hydrochloride	5996-10-1	1
Pancreatic Digest of Casein	-	1.5
Gelatin	9000-70-8	2
Agar	9002-18-0	4
Water	7732-18-5	to 100%

**4. FIRST AID MEASURES**

<b>General Advice</b>	Do not get in eyes, on skin, or on clothing.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists or develops, contact a physician.
<b>Skin Contact</b>	Wash off with soap and plenty of water removing all contaminated clothes and shoes. If irritation develops or persists, consult physician.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. If symptoms persist or develop contact physician. Do not induce vomiting without medical advice.
<b>Protection of First-aiders</b>	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.

**5. FIRE-FIGHTING MEASURES**

<b>Flammable Properties</b>	Not a fire hazard.			
<b>Flash Point</b>	Not applicable			
<b>Suitable Extinguishing Media</b>	Water spray, dry chemical, carbon dioxide (CO <sub>2</sub> ), or foam.			
<b>Explosion Data</b>				
<b>NFPA</b>	<b>Health Hazard</b> 0	<b>Flammability</b> 0	<b>Stability</b> 0	<b>Physical and Chemical Hazards</b> N/A
<b>HMIS</b>	<b>Health Hazard</b> 1	<b>Flammability</b> 0	<b>Stability</b> 0	

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Refer to Section 8.
<b>Methods for Containment</b>	Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).
<b>Methods for Cleaning Up</b>	Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

**7. HANDLING AND STORAGE**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes, and clothing. Do not ingest. Do not eat, drink, or smoke when using this product.

**Storage** Keep containers tightly closed in a dry, cool, and well-ventilated place. Protect from moisture. Keep out of the reach of children.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Rose bengal	None Known	None Known	None Known
peptone, bacteriological	None Known	None Known	None Known
Sodium chloride USP 7647-14-5	None Known	None Known	None Known
Papaic Digest of Soybean	None Known	None Known	None Known
Glycine, hydrochloride 5996-10-1	None Known	None Known	None Known
Pancreatic Digest of Casein	None Known	None Known	None Known
Gelatin 9000-70-8	None Known	None Known	None Known
Agar 9002-18-0	None Known	None Known	None Known
Water 7732-18-5	None Known	None Known	None Known

**Engineering Measures** Showers. Eyewash stations.

**Personal Protective Equipment**  
**Eye/Face Protection** Safety glasses with side-shields.  
**Skin and Body Protection** Gloves & Lab Coat.  
**Respiratory Protection** None required under normal usage.

**Hygiene Measures** Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash hands and face before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Side One Off-white Side Two Pink Magenta	<b>Odor</b>	Characteristic
<b>Physical State</b>	BioPaddle - a paddle with two sides of agar within a vial	<b>pH</b>	Approximately neutral
<b>Flash Point</b>	Not applicable	<b>Autoignition Temperature</b>	Not applicable
<b>Boiling Point/Range</b>	Not applicable		
<b>Molecular Weight</b>	No data available	<b>Solubility</b>	Soluble
<b>Vapor Pressure</b>	No information available	<b>Vapor Density</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable.
<b>Incompatible Products</b>	Strong oxidizing agents. Acids. Alkalis.
<b>Conditions to Avoid</b>	Exposure to air or moisture over prolonged periods. Excessive heat.
<b>Hazardous Decomposition Products</b>	Carbon oxides (COx). Chlorine.
<b>Hazardous Reactions</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Rose bengal	None Known	None Known	None Known
peptone, bacteriological	None Known	None Known	None Known
Sodium chloride USP	None Known	10 g/kg ( Rabbit )	42 g/m <sup>3</sup> ( Rat ) 1 h
Papaic Digest of Soybean	None Known	None Known	None Known
Glycine, hydrochloride	None Known	None Known	None Known
Pancreatic Digest of Casein	None Known	None Known	None Known
Gelatin	None Known	None Known	None Known
Agar	11 g/kg ( Rat )	None Known	None Known
Water	90 mL/kg ( Rat )	None Known	None Known

### Chronic Toxicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Rose bengal	None Known	None Known	None Known	None Known
peptone, bacteriological	None Known	None Known	None Known	None Known
Sodium chloride USP	None Known	None Known	None Known	None Known
Papaic Digest of Soybean	None Known	None Known	None Known	None Known
Glycine, hydrochloride	None Known	None Known	None Known	None Known
Pancreatic Digest of Casein	None Known	None Known	None Known	None Known
Gelatin	None Known	None Known	None Known	None Known
Agar	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Rose bengal	None Known	None Known	None Known
peptone, bacteriological	None Known	None Known	None Known
Sodium chloride USP	None Known	None Known	None Known
Papaic Digest of Soybean	None Known	None Known	None Known
Glycine, hydrochloride	None Known	None Known	None Known
Pancreatic Digest of Casein	None Known	None Known	None Known
Gelatin	None Known	None Known	None Known
Agar	None Known	None Known	None Known
Water	None Known	None Known	None Known

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Rose bengal	None Known	None Known	None Known	None Known
peptone, bacteriological	None Known	None Known	None Known	None Known
Sodium chloride USP	None Known	LC50= 12946 mg/L Lepomis macrochirus 96 h LC50= 7650 mg/L Pimephales promelas 96 h LC50= 9675 mg/L Lepomis macrochirus 96 h	None Known	EC50 = 1000 mg/L 48 h
Papaic Digest of Soybean	None Known	None Known	None Known	None Known
Glycine, hydrochloride	None Known	None Known	None Known	None Known
Pancreatic Digest of Casein	None Known	None Known	None Known	None Known
Gelatin	None Known	None Known	None Known	None Known
Agar	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known

**Persistence and Degradability** No information available.

**Bioaccumulation/Accumulation** No information available.

Chemical Name	Log Pow
Rose bengal	None Known
peptone, bacteriological	None Known
Sodium chloride USP	None Known
Papaic Digest of Soybean	None Known
Glycine, hydrochloride	None Known
Pancreatic Digest of Casein	None Known
Gelatin	None Known
Agar	None Known
Water	None Known

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method** Twist to remove paddle from vial. Fill vial to 40 mL fill line with 1:9 dilution of household bleach (5.25% sodium hypochlorite solution). Replace paddle in vial. Allow 15 minute contact time. Remove paddle. Discard bleach solution. Replace paddle in vial and dispose. Dispose of in accordance with local regulations.

**Contaminated Packaging** Dispose of in accordance with local regulations.

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Rose bengal -	None Known	None Known	None Known	None Known
peptone, bacteriological -	None Known	None Known	None Known	None Known
Sodium chloride USP - 7647-14-5	None Known	None Known	None Known	None Known
Papaic Digest of Soybean -	None Known	None Known	None Known	None Known
Glycine, hydrochloride - 5996-10-1	None Known	None Known	None Known	None Known
Pancreatic Digest of Casein -	None Known	None Known	None Known	None Known
Gelatin - 9000-70-8	None Known	None Known	None Known	None Known
Agar - 9002-18-0	None Known	None Known	None Known	None Known
Water - 7732-18-5	None Known	None Known	None Known	None Known

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

Component	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Rose bengal (<0.01)	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	X	AICS
peptone, bacteriological (0.5)	Present	X	EINECS/ELINCS	ENCS	X	KE-28131	X	X
Sodium chloride USP 7647-14-5 (0.5)	Present	X	X	1-236	X	KE-31387	X	X
Papaic Digest of Soybean (0.5)	TSCA	DSL	X	ENCS	X	KECL	PICCS	X
Glycine, hydrochloride 5996-10-1 (1)	TSCA	DSL	EINECS/ELINCS	ENCS	X	KECL	PICCS	AICS
Pancreatic Digest of Casein (1.5)	TSCA	DSL	X	ENCS	X	KECL	X	AICS
Gelatin 9000-70-8 (2)	XU	X	X	8-313	X	KE-17574	X	X
Agar 9002-18-0 (4)	XU	X	X	ENCS	X	KE-00275	X	X
Water 7732-18-5 (to 100%)	Present	X	X	ENCS	X	KE-35400	X	X

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Rose bengal		<0.01	None Known
peptone, bacteriological		0.5	None Known
Sodium chloride USP	7647-14-5	0.5	None Known
Papaic Digest of Soybean		0.5	None Known
Glycine, hydrochloride	5996-10-1	1	None Known
Pancreatic Digest of Casein		1.5	None Known
Gelatin	9000-70-8	2	None Known
Agar	9002-18-0	4	None Known
Water	7732-18-5	to 100%	None Known

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** No  
**Chronic Health Hazard** No

<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Rose bengal (<0.01)	None Known	None Known	None Known	None Known
peptone, bacteriological (0.5)	None Known	None Known	None Known	None Known
Sodium chloride USP 7647-14-5 (0.5)	None Known	None Known	None Known	None Known
Papaic Digest of Soybean (0.5)	None Known	None Known	None Known	None Known
Glycine, hydrochloride 5996-10-1 (1)	None Known	None Known	None Known	None Known
Pancreatic Digest of Casein (1.5)	None Known	None Known	None Known	None Known
Gelatin 9000-70-8 (2)	None Known	None Known	None Known	None Known
Agar 9002-18-0 (4)	None Known	None Known	None Known	None Known
Water 7732-18-5 (to 100%)	None Known	None Known	None Known	None Known

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Rose bengal		<0.01	None Known	None Known	None Known	None Known
peptone, bacteriological		0.5	None Known	None Known	None Known	None Known
Sodium chloride USP	7647-14-5	0.5	None Known	None Known	None Known	None Known
Papaic Digest of Soybean		0.5	None Known	None Known	None Known	None Known
Glycine, hydrochloride	5996-10-1	1	None Known	None Known	None Known	None Known
Pancreatic Digest of Casein		1.5	None Known	None Known	None Known	None Known
Gelatin	9000-70-8	2	None Known	None Known	None Known	None Known
Agar	9002-18-0	4	None Known	None Known	None Known	None Known
Water	7732-18-5	to 100%	None Known	None Known	None Known	None Known

**CERCLA**

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Rose bengal	None Known	None Known
peptone, bacteriological	None Known	None Known
Sodium chloride USP	None Known	None Known
Papaic Digest of Soybean	None Known	None Known
Glycine, hydrochloride	None Known	None Known
Pancreatic Digest of Casein	None Known	None Known
Gelatin	None Known	None Known
Agar	None Known	None Known
Water	None Known	None Known

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

Chemical Name	CAS-No	California Prop. 65
Rose bengal		None Known
peptone, bacteriological		None Known
Sodium chloride USP	7647-14-5	None Known
Papaic Digest of Soybean		None Known
Glycine, hydrochloride	5996-10-1	None Known
Pancreatic Digest of Casein		None Known
Gelatin	9000-70-8	None Known
Agar	9002-18-0	None Known
Water	7732-18-5	None Known

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Rose bengal	None Known	None Known	None Known	None Known	None Known
peptone, bacteriological	None Known	None Known	None Known	None Known	None Known
Sodium chloride USP	None Known	None Known	None Known	None Known	None Known
Papaic Digest of Soybean	None Known	None Known	None Known	None Known	None Known
Glycine, hydrochloride	None Known	None Known	None Known	None Known	None Known
Pancreatic Digest of Casein	None Known	None Known	None Known	None Known	None Known
Gelatin	None Known	None Known	None Known	None Known	None Known
Agar	None Known	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known	None Known

**International Regulations****Mexico - Grade**

Chemical Name	Carcinogen Status	Exposure Limits
Rose bengal	None Known	None Known
peptone, bacteriological	None Known	None Known
Sodium chloride USP	None Known	None Known
Papaic Digest of Soybean	None Known	None Known
Glycine, hydrochloride	None Known	None Known
Pancreatic Digest of Casein	None Known	None Known
Gelatin	None Known	None Known
Agar	None Known	None Known
Water	None Known	None Known

**Canada**

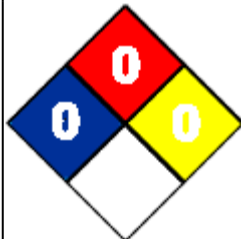

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

Component	WHMIS Hazard Class
Rose bengal ( <0.01 )	Not determined
peptone, bacteriological ( 0.5 )	Uncontrolled product according to WHMIS classification criteria
Sodium chloride USP 7647-14-5 ( 0.5 )	Uncontrolled product according to WHMIS classification criteria
Papaic Digest of Soybean ( 0.5 )	Not determined
Glycine, hydrochloride 5996-10-1 ( 1 )	Not determined
Pancreatic Digest of Casein ( 1.5 )	Not determined



Gelatin 9000-70-8 ( 2 )	Not determined
Agar 9002-18-0 ( 4 )	Not determined
Water 7732-18-5 ( to 100% )	Uncontrolled product according to WHMIS classification criteria

16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td>Health Hazard</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Fire Hazard</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Reactivity</td> <td style="text-align: center;">0</td> </tr> </table>	Health Hazard	0	Fire Hazard	0	Reactivity	0		
Health Hazard	0								
Fire Hazard	0								
Reactivity	0								

**Prepared By** Regulatory Affairs Department  
**Issuing Date** 5/21/2012  
**Revision Date** 24-May-2012  
**Revision Note**  
 Initial Release  
**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of MSDS**