

Issuing Date 5/21/2012

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name BioPaddle with Nutrient-TTC Agar and MacConkeys Agar

Product Code(s) 5553

Synonyms none / ninguno / aucun

Recommended Use Culture medium.

Company LaMotte Company, Inc.
802 Washington Avenue
P.O. Box 329
Chestertown, MD 21620
USA

Manufactured by: Precision Labs Inc.
Cottonwood, AZ 86326

Emergency Telephone Number 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**Emergency Overview**

May cause skin and eye irritation

May be harmful if swallowed

Appearance Side One, Buff to Gold,
Side Two, Tan to Brown**Physical State** BioPaddle - a paddle with
two sides of agar within a vial**Odor** Characteristic

OSHA Regulatory Status This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects**Principle Routes of Exposure** Ingestion**Acute Toxicity****Eyes**

No adverse effects expected from eye contact, but may cause irritation and redness.

Skin

Not expected to be a health hazard from skin contact. May cause slight irritation.

Inhalation

Not an expected route of exposure. May cause irritation.

Ingestion

May be harmful if swallowed. May cause gastrointestinal discomfort if consumed in large amounts.

Chronic Effects**Aggravated Medical Conditions** None known.**Environmental Hazard** 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 %
Bile, hydrolyzates	69430-20-2	0.25
Meat extracts, beef	68990-09-0	0.5
Sodium chloride USP	7647-14-5	<1%
Lactose, monohydrate	64044-51-5	3
Peptones, casein	91079-40-2	3
Gelatin	9000-70-8	4
Agar	9002-18-0	6
Water	7732-18-5	to 100%

4. FIRST AID MEASURES

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

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

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Refer to Section 8.
Methods for Containment	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).
Methods for Cleaning Up	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
Bile, hydrolyzates 69430-20-2	None Known	None Known	None Known
Meat extracts, beef 68990-09-0	None Known	None Known	None Known
Sodium chloride USP 7647-14-5	None Known	None Known	None Known
Lactose, monohydrate 64044-51-5	None Known	None Known	None Known
Peptones, casein 91079-40-2	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

Appearance	Side One Buff to Gold Side Two Tan to Brown	Odor	Characteristic
Physical State	BioPaddle - a paddle with two sides of agar within a vial	pH	Approximately neutral
Flash Point	Not applicable	Autoignition Temperature	Not applicable
Boiling Point/Range	Not applicable		
Molecular Weight	No data available	Solubility	Soluble
Vapor Pressure	No information available	Vapor Density	No information available

10. STABILITY AND REACTIVITY

Stability Stable.

Incompatible Products Strong oxidizing agents. Acids. Alkalis.

Conditions to Avoid Exposure to air or moisture over prolonged periods. Excessive heat.

Hazardous Decomposition Products Carbon oxides (COx).

Hazardous Reactions Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Bile, hydrolyzates	None Known	None Known	None Known
Meat extracts, beef	None Known	None Known	None Known
Sodium chloride USP	None Known	10 g/kg (Rabbit)	42 g/m ³ (Rat) 1 h
Lactose, monohydrate	10 g/kg (Rat)	None Known	None Known
Peptones, 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
Bile, hydrolyzates	None Known	None Known	None Known	None Known
Meat extracts, beef	None Known	None Known	None Known	None Known
Sodium chloride USP	None Known	None Known	None Known	None Known
Lactose, monohydrate	None Known	None Known	None Known	None Known
Peptones, 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
Bile, hydrolyzates	None Known	None Known	None Known
Meat extracts, beef	None Known	None Known	None Known
Sodium chloride USP	None Known	None Known	None Known
Lactose, monohydrate	None Known	None Known	None Known
Peptones, 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)
Bile, hydrolyzates	None Known	None Known	None Known	None Known
Meat extracts, beef	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
Lactose, monohydrate	None Known	None Known	None Known	None Known
Peptones, 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
Bile, hydrolyzates	None Known
Meat extracts, beef	None Known
Sodium chloride USP	None Known
Lactose, monohydrate	None Known
Peptones, 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
Bile, hydrolyzates - 69430-20-2	None Known	None Known	None Known	None Known
Meat extracts, beef - 68990-09-0	None Known	None Known	None Known	None Known
Sodium chloride USP - 7647-14-5	None Known	None Known	None Known	None Known
Lactose, monohydrate - 64044-51-5	None Known	None Known	None Known	None Known
Peptones, casein - 91079-40-2	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
Bile, hydrolyzates 69430-20-2 (0.25)	Present	DSL	X	ENCS	IECSC	KECL	PICCS	AICS
Meat extracts, beef 68990-09-0 (0.5)	Present	X	X	ENCS	X	KE-23065	X	X
Sodium chloride USP 7647-14-5 (<1%)	Present	X	X	1-236	X	KE-31387	X	X
Lactose, monohydrate 64044-51-5 (3)	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	X	X
Peptones, casein 91079-40-2 (3)	TSCA	DSL	X	ENCS	X	KECL	X	AICS
Gelatin 9000-70-8 (4)	XU	X	X	8-313	X	KE-17574	X	X
Agar 9002-18-0 (6)	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 %
Bile, hydrolyzates	69430-20-2	0.25	None Known
Meat extracts, beef	68990-09-0	0.5	None Known
Sodium chloride USP	7647-14-5	<1%	None Known
Lactose, monohydrate	64044-51-5	3	None Known
Peptones, casein	91079-40-2	3	None Known
Gelatin	9000-70-8	4	None Known
Agar	9002-18-0	6	None Known
Water	7732-18-5	to 100%	None Known

SARA 311/312 Hazard Categories

Acute Health Hazard No
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard 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
Bile, hydrolyzates 69430-20-2 (0.25)	None Known	None Known	None Known	None Known
Meat extracts, beef 68990-09-0 (0.5)	None Known	None Known	None Known	None Known
Sodium chloride USP 7647-14-5 (<1%)	None Known	None Known	None Known	None Known
Lactose, monohydrate 64044-51-5 (3)	None Known	None Known	None Known	None Known
Peptones, casein 91079-40-2 (3)	None Known	None Known	None Known	None Known
Gelatin 9000-70-8 (4)	None Known	None Known	None Known	None Known
Agar 9002-18-0 (6)	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
Bile, hydrolyzates	69430-20-2	0.25	None Known	None Known	None Known	None Known
Meat extracts, beef	68990-09-0	0.5	None Known	None Known	None Known	None Known
Sodium chloride USP	7647-14-5	<1%	None Known	None Known	None Known	None Known
Lactose, monohydrate	64044-51-5	3	None Known	None Known	None Known	None Known
Peptones, casein	91079-40-2	3	None Known	None Known	None Known	None Known
Gelatin	9000-70-8	4	None Known	None Known	None Known	None Known
Agar	9002-18-0	6	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
Bile, hydrolyzates	None Known	None Known
Meat extracts, beef	None Known	None Known
Sodium chloride USP	None Known	None Known
Lactose, monohydrate	None Known	None Known
Peptones, 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
Bile, hydrolyzates	69430-20-2	None Known
Meat extracts, beef	68990-09-0	None Known
Sodium chloride USP	7647-14-5	None Known
Lactose, monohydrate	64044-51-5	None Known
Peptones, casein	91079-40-2	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
Bile, hydrolyzates	None Known	None Known	None Known	None Known	None Known
Meat extracts, beef	None Known	None Known	None Known	None Known	None Known
Sodium chloride USP	None Known	None Known	None Known	None Known	None Known
Lactose, monohydrate	None Known	None Known	None Known	None Known	None Known
Peptones, 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
Bile, hydrolyzates	None Known	None Known
Meat extracts, beef	None Known	None Known
Sodium chloride USP	None Known	None Known
Lactose, monohydrate	None Known	None Known
Peptones, 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
Bile, hydrolyzates 69430-20-2 (0.25)	Not determined
Meat extracts, beef 68990-09-0 (0.5)	Not determined
Sodium chloride USP 7647-14-5 (<1%)	Uncontrolled product according to WHMIS classification criteria
Lactose, monohydrate 64044-51-5 (3)	Uncontrolled product according to WHMIS classification criteria
Peptones, casein 91079-40-2 (3)	Not determined
Gelatin 9000-70-8 (4)	Not determined
Agar 9002-18-0 (6)	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 data-bbox="509 203 716 243">Health Hazard</td> <td data-bbox="721 203 792 243">1</td> </tr> <tr> <td data-bbox="509 249 716 289">Fire Hazard</td> <td data-bbox="721 249 792 289">0</td> </tr> <tr> <td data-bbox="509 296 716 336">Reactivity</td> <td data-bbox="721 296 792 336">0</td> </tr> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0		
Health Hazard	1								
Fire Hazard	0								
Reactivity	0								

Prepared By Regulatory Affairs Department
 Issuing Date 5/21/2012
 Revision Date 24-Jul-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