



**SAFETY DATA SHEET**  
**Environmental Monitoring Cassette, TSA +**  
**L&P-80**  
SDS0007 Rev C

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**1. IDENTIFICATION**

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<b>Product Name</b>	Environmental Monitoring (EM) cassette, Trypticase Soy Agar with Lecithin and Polysorbate 80
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Identified Uses</b>	Microbiological culture medium
<b>Restrictions on Use</b>	Laboratory use only
<b>Product Numbers</b>	ET80-100
<b>Company Identification</b>	Rapid Micro Biosystems, Inc. 1001 Pawtucket Boulevard Lowell, MA 01854
<b>Customer Information Number</b>	978-349-3200
<b>Emergency Telephone Number</b>	978-349-3200
<b>Issue Date</b>	17 Aug 2018
<b>Supersedes Date</b>	15 May 2015

*Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)*

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**2. HAZARD IDENTIFICATION (continued on following page)**

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**Hazard Classification**

Skin Irritant 2  
Eye Irritant 2A

**Label Elements**

None required.

**Hazard Symbols & Signal Word**



**Signal Word:** WARNING!

**Hazard Statements**

H315 – Causes skin irritation.  
H319 – Causes serious eye irritation.

**Precautionary Statements**

**Prevention**

P101 – If medical advice is needed, have product container or label at hand.  
P264 – Wash thoroughly after handling.  
P280 – Wear protective gloves, protective clothing and eye protection.

**Response**

P302 + P352 - IF ON SKIN: wash with plenty of soap and water.

P333 + P313 – If skin irritation or rash occurs: get medical advice.

P305 + 351 + 338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 – If eye irritation persists: get medical attention. P301 + P313 –

IF SWALLOWED: Get medical attention.

**Storage**

None.

**Disposal**

None.

**Other Hazards**

None.

**Specific Concentration Limits**

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity <10%

Acute dermal toxicity <10%

Acute inhalation toxicity <10%

Acute aquatic toxicity <10%

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

This product is a mixture.

Component	CAS Number	Concentration
Nitrogen in Nitrocellulose	9004-70-0 9005-65-	<1%
Polysorbate 80	6 7647-14-5	<10%
Sodium chloride		10.8%

**4. FIRST- AID MEASURES (continued on following page)****Description of necessary first-aid measures****Eyes**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Seek medical attention if symptoms persist.

**Skin**

Wash thoroughly with plenty of soap and water. If skin irritation occurs, seek medical attention.

**Ingestion**

Consult a medical professional.

**Inhalation**

Not an expected route of entry.

**Most important symptoms/effects, acute and delayed**

Aside from the information found under description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

**Indication of immediate medical attention and special treatment needed**

No data available.

**Notes to Physicians**

Treat symptomatically.

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**5. FIRE - FIGHTING MEASURES**

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**Suitable (and unsuitable) Extinguishing Media**

Water.

Do not use CO<sub>2</sub>, dry powder or foam.

**Specific hazards arising from the chemical**

In case of fire, nitrous gases could be produced and high flames could occur.

**Special Protective Actions for Fire-Fighters**

Wear full protective clothing and self-contained breathing apparatus.

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**6. ACCIDENTAL RELEASE MEASURES**

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**Personal precautions, protective equipment and emergency procedures**

Wear appropriate protective clothing.

**Environmental Precautions**

Prevent the material from entering drains or watercourses.

**Methods and materials for containment and cleaning up**

Wipe up with damp sponge or mop. Transfer into suitable containers for recovery or disposal.

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**7. HANDLING AND STORAGE**

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**Precautions for safe handling**

Wear appropriate protective equipment when handling. Do not eat, drink or smoke while handling this material. Obey expiration dates.

**Conditions for safe storage**

Store at 2-8°C away from heat and direct sunlight. Do not store with incompatible materials.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION (continued on following page)**

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**Control parameters**

Contains no substances with occupational exposure limit values.

**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of every workday.

**Individual protection measures****Respiratory Protection**

Respiratory protection not required under normal use.

**Skin Protection**

Gloves.

**Eye/Face Protection**

Safety glasses.

**Body Protection**

Impervious clothing.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**


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**Appearance**

	<b>Physical State</b>	Solid.
	<b>Color</b>	Light amber-brown color agar, covered by a black membrane. No surface blemishes.
<b>Odor</b>		No data available.
<b>Odor Threshold</b>		No data available.
<b>pH</b>		7.3 ± 0.2
<b>Density</b>		No data available.
<b>Boiling Range/Point (°C/F)</b>		No data available.
<b>Melting Point (°C/F)</b>		No data available.
<b>Flash Point (PMCC) (°C/F)</b>		No data available.
<b>Vapor Pressure</b>		No data available.
<b>Evaporation Rate (BuAc=1)</b>		No data available.
<b>Solubility in Water</b>		No data available.
<b>Vapor Density (Air = 1)</b>		No data available.
<b>VOC (g/l)</b>		No data available.
<b>Partition coefficient (n-octanol/water)</b>		No data available.
<b>Viscosity</b>		No data available.
<b>Auto-ignition Temperature</b>		This product is not expected to auto ignite.
<b>Decomposition Temperature</b>		No data available.
<b>Upper explosive limit</b>		No data available.
<b>Lower explosive limit</b>		No data available.
<b>Flammability (solid, gas)</b>		No data available.

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**10. STABILITY AND REACTIVITY (continued on following page)**


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**Reactivity**

No known reactivity.

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**Conditions to Avoid**

Heat, high temperatures, contact with incompatible materials.

**Incompatible Materials**

Oxidizing agents, strong acids, strong bases, amines, fire accelerating substances.

**Hazardous Decomposition Products**

Nitrous oxides, chlorine.

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**11. TOXICOLOGICAL INFORMATION**

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**Acute Toxicity**

Available data indicates this product is not acutely toxic.

**Specific Target Organ Toxicity (STOT) – single exposure**

No data available.

**Specific Target Organ Toxicity (STOT) – repeat exposure**

No data available.

**Serious Eye damage/Irritation**

Cat. 2A – Causes serious eye irritation.

**Skin Corrosion/Irritation**

Cat. 2 – Causes skin irritation.

**Respiratory or Skin Sensitization**

Available data indicates this product is not expected to cause skin or respiratory sensitization.

**Carcinogenicity**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Germ Cell Mutagenicity** No data available.

**Reproductive Toxicity** No data available.

**Aspiration Hazard**

Not an aspiration hazard.

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**12. ECOLOGICAL INFORMATION (continued on following page)**

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**Ecotoxicity**

No relevant studies identified.

**Mobility in soil**

No relevant studies identified.

**Persistence/Degradability**

No relevant studies identified.

**Bioaccumulative Potential**

No relevant studies identified.

**Other adverse effects**

No relevant studies identified.

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**13. DISPOSAL CONSIDERATIONS**

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**Disposal Methods**

Dispose of in accordance with all applicable local and national regulations.

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**14. TRANSPORT INFORMATION**

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<b>DOT CFR 172.101 Data</b>	Not Regulated.
<b>UN Proper Shipping Name</b>	Not Regulated.
<b>UN Class</b>	None.
<b>UN Number</b>	None.
<b>UN Packaging Group</b>	None.
<b>Classification for AIR Transportation (IATA)</b>	Consult current IATA Regulations prior to shipping by air.
<b>Environmental Hazards</b>	None identified.

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**15. REGULATORY INFORMATION**

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**United States TSCA Inventory**

<u>Name</u>	<u>CAS-No.</u>
<i>Magnesium Chloride</i>	7487-88-9
<i>Polysorbate 80</i>	9005-65-6
<i>Sodium carbonate</i>	497-19-8
<i>Sodium chloride</i>	7647-14-5

**Canada DSL Inventory**

Components of this product have not been verified for inclusion on the Domestic Substance List (DSL).

**California Proposition 65**

This product does not contain any materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

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**16. OTHER INFORMATION**

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**Legend**

ACGIH: American Conference of Governmental Industrial Hygienists

CAS#: Chemical Abstracts Service Number

IARC: International Agency for Research on Cancer

LD50: Lethal Dose 50%

N/A: Not Applicable

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit TLV:

Threshold Limit Value

VOC: Volatile Organic Compounds

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