



SAFETY DATA SHEET
Bioburden Cassette, TSA
SDS0001 Rev C

1. IDENTIFICATION

Product Name	Bioburden cassette, Trypticase Soy Agar (BTSA cassette)
Recommended use of the chemical and restrictions on use	
Identified Uses	Microbiological culture medium
Restrictions on Use	Laboratory use only
Product Numbers	BTSA-048
Company Identification	Rapid Micro Biosystems, Inc. 1001 Pawtucket Boulevard Lowell, MA 01854
Customer Information Number	978-349-3200
Emergency Telephone Number	978-349-3200
Issue Date	17 Aug 2018
Supersedes Date	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)

2. HAZARD IDENTIFICATION (continued on following page)

Hazard Classification

None.

Label Elements

None required.

Hazard Symbols & Signal Word

None.

Signal Word: None required.

Hazard Statements

None.

Precautionary Statements

Prevention

None.

Response

None.

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
Nonhazardous.	N/A	100%

No ingredients are hazardous according to OSHA criteria.
 No components need to be disclosed according to applicable regulations.

4. FIRST- AID MEASURES

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

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Indication of immediate medical attention and special treatment needed

None.

Notes to Physicians

Treat symptomatically.

5. FIRE - FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Use extinguishing media compatible with surroundings.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors.

Special Protective Actions for Fire-Fighters

Wear fully protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

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

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Dispose of as hazardous waste.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear appropriate protective equipment when handling. Avoid contact with skin and eyes. Avoid ingestion. 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. Protect from moisture. Store away from oxidizing agents.

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

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

Chemical resistant gloves.

Eye/Face Protection Safety glasses.**Body Protection**

Impervious clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

	Physical State	Solid.
	Color	Light amber brown.
Odor		No data available.
Odor Threshold		No data available.
pH		7.3 ± 0.2
Density		No data available.
Boiling Range/Point (°C/F)		No data available.
Melting Point (°C/F)		No data available.
Flash Point (PMCC) (°C/F)		No data available.
Vapor Pressure		No data available.
Evaporation Rate (BuAc=1)		No data available.
Solubility in Water		No data available.
Vapor Density (Air = 1)		No data available.
VOC (g/l)		No data available.
Partition coefficient (noctanol/water)		No data available.
Viscosity		No data available.
Auto-ignition Temperature		No data available.
Decomposition Temperature		No data available.
Upper explosive limit		No data available.
Lower explosive limit		No data available.
Flammability (solid, gas)		No data available.

10. STABILITY AND REACTIVITY (continued on following page)

Reactivity

No known reactivity.

Chemical Stability

Stable under recommended storage conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to Avoid

Heat, high temperatures, exposure to moisture, contact with incompatible materials.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

None under normal use.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Not classified.

Specific Target Organ Toxicity (STOT) – single exposure

No data available.

Specific Target Organ Toxicity (STOT) – repeat exposure

No data available.

Serious Eye damage/Irritation

No data available.

Skin Corrosion/Irritation

No data available.

Respiratory or Skin Sensitization

No data available.

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Germ Cell Mutagenicity No

data available.

Reproductive Toxicity No

data available.

Aspiration Hazard

Not an aspiration hazard.

12. ECOLOGICAL INFORMATION (continued on following page)

Ecotoxicity

No relevant studies identified.

Mobility in soil

No relevant studies identified.

Persistence/Degradability

Expected to be biodegradable. Persistence is unlikely based on available information.

Bioaccumulative Potential

Bioaccumulation is unlikely.

Other adverse effects

The ecological effects have not been thoroughly investigated, but currently none have been identified.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

United States TSCA Inventory

Components of this product have not been verified for inclusion in the United States TSCA Inventory.

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.

16. OTHER INFORMATION (continued on following page)

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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