

# MILLIPORE

Environment, Health & Safety

**M AIR T<sup>®</sup> ISOLATOR CASSETTE**  
pre-filled with TSA medium  
with pyruvate

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

#### Millipore Corporation

290 Concord Road

Billerica MA 01821

Information 978-715-1335

#### CHEMTREC Emergency Telephone Numbers

United States 800-424-9300

International 703-527-3887 (collect)

PRODUCT: **M Air T Isolator Cassette  
pre-filled with TSA  
medium with Pyruvate**

Trade names and Synonyms: M Air T Cassette, pre-filled with Tryptic Soy Agar (TSA) with Pyruvate.

Product Number: **ATSMTPB24**

MSDS Number **M114782**

Issue Date: March 12, 2005

Rev. Date: November 12, 2008

Revision: **A**

#### SUBSTANCE IDENTIFICATION

SUBSTANCE: Styrene acrylonitrile polymer grid and lid assembly, pre-filled with nutrient medium (pancreatic digests of casein and soymeal, agar, sodium chloride, and sodium pyruvate), for total count in areas with high peroxide residuals

### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

#### Medium

Component	CAS No.	EINECS No.	Wt. %
Pancreatic digest of casein (tryptone, biotrypcase)	Not available	Not available	1.4 - 1.5
Sodium chloride	7647-14-5	231-598-3	1.4 - 1.5
Agar	9002-18-0	232-658-1	1.5

#### Composition (continued)

Component	CAS No.	EINECS No.	Wt. %
Sodium pyruvate	113-24-6	204-024-4	0.9-1.0
Pancreatic digest of soymeal (biosoyase)	Not available	Not available	0.5
Water	7732-18-5	231-791-2	95-96

#### Structural Components

Material	Function
Styrene Acrylonitrile	Grid, Lid

### SECTION 3 - HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

Appearance: Gelatinous solid in polymer body

Major Health Hazards: Not expected to present a health hazard.

Physical Hazards: Not expected to present a physical hazard.

#### Health Effects

<u>Route of Entry</u>	<u>Potential Health Effects and Symptoms of Exposure</u>
Skin:	Not expected to be a skin irritant
Eyes:	Not expected to be an eye irritant
Ingestion	Not expected to be a gastrointestinal tract irritant
Inhalation:	Not expected to present an inhalation hazard.
Target organs:	None known
Medical Conditions Aggravated by Exposure:	None known

## SECTION 4 - FIRST AID

**Ingestion:** This material is not expected to present an ingestion hazard. Large quantities may cause gastro-intestinal discomfort. If symptoms persist, seek medical attention.

**Eyes:** Wash eyes immediately with large amounts of water, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.

**Skin:** Wash exposed skin with soap and water while removing contaminated clothing and shoes. Seek medical attention if irritation develops or persists. Launder contaminated clothing before wearing.

**Inhalation** A first aid response for an inhalation exposure is extremely unlikely to be required.

## SECTION 5 - FIRE FIGHTING MEASURES

**Fire & Explosion Hazards:** In case of fire, use extinguishing medium suitable for surrounding fire.

**Flash Point:** None

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Spills and Leaks:** Collect in absorbent material such as granules, or dry sand. Dispose of in a manner consistent with federal, state, and local regulations.

## SECTION 7- HANDLING AND STORAGE

**Do Not Freeze.** Store in sealed containers at 2 – 8°C. Handle with care to prevent loss of sterility.

## SECTION 8 - PERSONAL PROTECTION AND EXPOSURE CONTROL

**Ventilation:** No special ventilation required.

**Personal Protection:** Safety glasses with side shields are adequate for normal use of this product.  
Wear appropriate gloves to prevent skin contact and loss of sterility.

**Respirator Use:** Typically, respirator use is not required.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Light to amber gelatinous solid in a polymer body
Specific Gravity (water = 1.0)	Approx. 1.0
Odor	Not Available
Odor threshold	Not Available
Water solubility:	Soluble
pH	7.1 7.5
Melting Point	Not Available
Boiling Point	Approx. that of water
Vapor Pressure	Approx. that of water
Vapor Density	Not Applicable
Volatility	95-96%
Evaporation Rate	Not Available
Coefficient of water/oil distribution:	Not Available

## SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable
Hazardous Polymerization	Will not occur.
Conditions to Avoid:	Excess heat or conditions that will cause the gel to decompose.
Incompatible with:	Strong oxidizers
<b>Hazardous Decomposition Products:</b>	
Medium	Carbon monoxide, carbon dioxide, and compounds of nitrogen.
Styrene acrylonitrile	Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Irritant Vapors or Gases.

**SECTION 11 - TOXICOLOGICAL  
INFORMATION**

Carcinogenicity:	Not listed as carcinogenic by IARC, NIOSH, NTP, or OSHA.		
Acute Effects:	Prolonged or repeated contact may cause skin and eye irritation.		
<u>Exposure Limits:</u>			
<u>INGREDIENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>European OEL</u>
Pancreatic digest of casein, soymeal agar, sodium chloride, and sodium pyruvate	None established	None	established
<u>Toxicology Data</u>			
No toxicological data is available for this product as an entity. <u>Selected RTECS data for components</u>			
Sodium Chloride (100%)	RTECS#: <b>VZ4725000</b>		
LD <sub>50</sub> , oral, rat	3 g/kg		
Standard Draize test, skin, rabbit: dose/duration: reaction severity:	50 mg/24 hour Mild		
Standard Draize test, eye, rabbit: dose/duration: reaction severity:	100 mg/24 hour Moderate		
Agar (100%)	RTECS#: <b>AW7950000</b>		
LD <sub>50</sub> , oral, rat	11 g/kg		
LD <sub>50</sub> , oral, rabbit	5.8 g/kg		
Sodium pyruvate	RTECS#: None listed		
No relevant occupational setting toxicological data was found for sodium pyruvate, or pyruvic acid (RTECS# UZ0829800)			

**SECTION 12 - ECOLOGICAL  
INFORMATION**

The medium portion of this product will be readily biodegraded in the environment, whereas the plastic components are not readily biodegradable.

**SECTION 13- DISPOSAL INFORMATION**

*European Union:*

Once exhausted, this product should be considered according to the European Waste Catalogue 2002 (European commission decision of 23/07/01 modifying directives 94/904/CE and 75/442/EEC) as part of the following categories:

*If medium is removed: 20 01 39.*

*If medium is present, not dangerous: 20 01 99*

*If medium is present & dangerous: Consult authority having local jurisdiction*

*United States:*

The components of this product are not listed as USEPA RCRA hazardous wastes. The organisms cultured on the medium may make the product an infectious waste, and must be disposed of in a manner consistent with federal, state and local regulations.

**SECTION 14 - TRANSPORTATION  
INFORMATION**

This product, containing Tryptic Soy Agar, is not regulated by USDOT, ICAO/IATA, or IMO as a hazardous material or dangerous goods. The organisms cultured on the medium may make the product an infectious hazardous material and must be transported in accordance with applicable national and international regulations..

## **SECTION 15 - REGULATORY INFORMATION**

<i>California:</i> No significant Risk Level: None of the chemicals in this product are known to Millipore Corporation to be listed.	
<i>Canada:</i> This product has a WHMIS classification of Not Controlled.	
<i>European Union:</i> European Labeling in Accordance with EC Directives:	
Hazard Symbols:	None applicable
Risk Phrases:	None applicable
Safety Phrases:	None applicable
<i>Japan:</i> None of the components of this product are listed by the Poisonous and Deleterious Substance Act.	
<i>United Kingdom:</i> Control of Substances Hazardous to Health Regulations 2002 (COSHH) Rating: L (low)	
<i>United States:</i> One or more of the components of Tryptic Soy Agar are not listed on the Toxic Substances Control Act (TSCA) Chemical Inventory. In the United States, the use of this product is restricted to research and development or FDA regulated activities. The definition of research and development includes analysis, the intended application for this product. See regulations in 40 CFR 710 for details.	

## **SECTION 16- ADDITIONAL INFORMATION**

The chemical, physical and toxicological properties of this product have not been thoroughly investigated.

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