



## SAFETY DATA SHEET

UltraFin I.E. Tissue Infiltration & Embedding Medium  
Item Number: EM0125-B

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	UltraFin I.E. Tissue Infiltration & Embedding Medium
Use	Tissue Infiltration & Embedding Medium
Size	2.2 pounds/bag, 8 bags per case
Product Number	EM0125-B
Supplier	Avantik
Address	19 Chapin Road - Building C Pine Brook, NJ 07058
Phone Number	(800) 783-9424
Emergency Phone Number	(847) 735-9965
Revision Date	
SDS Date	March 31, 2009

This SDS has been compiled in accordance with OSHA's Hazcom Standard (29 CFR 1910.1200)

### 2. HAZARD IDENTIFICATION



**WARNING!** May cause eye, skin, and respiratory tract irritation. The toxicological properties of this material have not been fully investigated.  
Target Organs: No data found

**EU Main Hazards** Not classified as hazardous

**Routes of Entry** Eye contact - Skin contact

**Carcinogenic Status** Not considered carcinogenic by NTP, IARC, and OSHA.

**Target Organs** Eye - Skin

**Health Effects - Eyes** Contact may cause slight transient irritation.

**Health Effects - Skin** Contact may cause irritation.

**Health Effects - Ingestion** No adverse effects are expected.

**Health Effects - Inhalation**

No adverse effects are expected during normal conditions of use. Inhalation of paraffin wax fumes during heating may irritate the eyes, nose and throat.



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### 3. COMPOSITION / INFORMATION ON COMPONENTS

Component Name	CAS#/Codes	Concentration	R Phases	Classification
Paraffin	8002-74-2	> 75.00%	R-None	None
Resin	232-315-6 Proprietary	<25.00%	R-None	None

### 4. FIRST AID MEASURES

#### Eyes

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

#### Skin

If skin irritation develops, or other symptoms occur, discontinue use. Seek medical attention if symptoms persist. Contaminated clothing should be washed or dry-cleaned before re-use.

#### Ingestion

Do not induce vomiting. Have victim drink 1-3 glasses of water to dilute stomach contents. Never administer anything by mouth if a victim is losing consciousness, is unconscious or is convulsing. Obtain medical attention immediately.

#### Inhalation

If there is difficulty in breathing, give oxygen. Seek medical attention if symptoms persist.

#### Advice to Physicians

Treat symptomatically.



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### 5. FIRE FIGHTING MEASURES

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#### **Extinguishing Media**

Not Flammable. Select extinguishing agent appropriate to other materials involved.

#### **Unusual Fire and Explosion Hazards**

This product may give rise to hazardous fumes in a fire.

#### **Protective Equipment for Fire-Fighting**

Wear full protective clothing and self-contained breathing apparatus.

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### 6. ACCIDENTAL RELEASE MEASURES

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This product may be collected by carefully scooping into a pan, paper towel or other absorbent material.

If wax is hot, let cool before initiating clean up.

To clean up spills of cooled wax, use non-sparking tools to scrape the wax into suitable containers for disposal. Wear appropriate protective clothing.

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### 7. HANDLING AND STORAGE

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Keep container tightly closed when not in use.

Storage area should be: - cool - dry - well ventilated - away from incompatible materials



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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Occupational Exposure Standards

Exposure limits are listed below, if they exist.

#### Paraffin

ACGIH: TLV 2mg/m<sup>3</sup> 8h TWA. (fume)

UK EH40: OES 2mg/m<sup>3</sup> 8h TWA.

UK EH40: OES 6mg/m<sup>3</sup> 10min TWA.

#### Resin

None assigned.

### Engineering Control Measures

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels. Heating of this product may generate vapors or fumes, therefore, local exhaust ventilation is recommended to keep airborne concentrations below exposure limits.

### Respiratory Protection

Respiratory protection if there is risk of breathing mists or vapors from heated material. The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.

### Hand Protection

Chemical resistant gloves

### Eye Protection

Chemical goggles or safety glasses with side shields

### Body Protection

Normal work wear.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Waxy Pellets
Color	Colorless - White - Translucent
Odor	Odorless
pH	No data.
Boiling Range/Point (°C/F)	No data.
Melting Point (°C/F)	47-65°C / 117-149°F (depending on grade)
Flash Point (PMCC) (°C/F)	204°C / 400°F
Auto-flammability (°C)	245°C (for 100% paraffin)
Explosion Limits (%)	No data.
Vapor Pressure	No data.
Density	No data.
Solubility in Water	Insoluble
Vapor Density (Air = 1)	No data.
Viscosity (cSt)	No data.

## 10. STABILITY AND REACTIVITY

### Stability

Stable under normal conditions

### Conditions to Avoid

Heat - High temperatures

### Materials to Avoid

Reducing agents - Strong acids

### Hazardous Polymerization

Will not occur

### Hazardous Decomposition Products

Acrid smoke and irritating fumes - oxides of carbon



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## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Low order of acute toxicity predicted.

Paraffin: A 100 mg dose applied to the rabbit eye for 24 hours caused mild irritation. A 500 mg dose applied to the rabbit skin for 24 hours caused mild irritation.

### Chronic Toxicity/Carcinogenicity

Paraffin: When implanted in rats (120 mg/kg) and mice (480-660 mg/kg), caused tumors of the bladder, lungs and thorax.

### Genotoxicity

This product is not expected to cause any mutagenic effects.

### Reproductive/Developmental Toxicity

This product is not expected to cause reproductive or developmental health effects.

## 12. ECOLOGICAL INFORMATION

### Mobility

No relevant studies identified.

### Persistence/Degradability

No relevant studies identified.

### Bio-accumulation

No relevant studies identified.

### Ecotoxicity

No relevant studies identified.

## 13. DISPOSAL

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	None
UN Number	None
UN Packaging Group	None
Classification for AIR Transportation (IATA)	Consult current IATA Regulations prior to shipping by air



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## 15. REGULATORY INFORMATION

### EU Label Information

Classification and labeling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments.

### **EU Hazard Symbol and Indication of Danger**

According to EC Commission Directive 67/548/EEC this product is not classified.

### **R phrases**

None

### **S phrases**

None

### US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS

#### **TSCA Listing**

All ingredients have been verified for inclusion on the EPA Toxic Substance Control Act Chemical Substance Inventory.

#### **EINECS Listing**

All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.

#### **DSL (Canadian) Listing**

All ingredients in this product are listed on the Domestic Substance List (DSL).

#### **MA Right To Know Law**

All components have been checked for inclusion on the Massachusetts Substance List (MSL). Those components present at or above the de minimus concentration include: - Paraffin

#### **PA Right To Know Law**

This product contains the following chemicals found on the Pennsylvania Hazardous Substance List: - Paraffin

#### **NJ Right To Know Law**

This product does not contain any chemicals on the New Jersey Workplace Hazardous Substance List.

#### **California Proposition 65**

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

#### **SARA Title III Sect. 302 (EHS)**

This product does not contain any chemicals subject to SARA Title III Section 302.

#### **SARA Title III Sect. 304**

This product does not contain any chemicals subject to SARA Title III Section 304.

#### **SARA Title III Sect. 311/312 Categorization**

Immediate (Acute) Health Hazard

#### **SARA Title III Sect. 313**

This product does not contain a chemical that is listed in Section 313 at or above de minimis concentrations.



## MATERIAL SAFETY DATA SHEET

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## 16. OTHER INFORMATION

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### NFPA Ratings

NFPA Code for Flammability - 1

NFPA Code for Health - 1

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards - None

### HMIS Ratings

HMIS Code for Flammability - 1

HMIS Code for Health - 1

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8

### Abbreviations

N/A: Denotes no applicable information found or available CAS#: Chemical Abstracts Service Number

ACGIH: American Conference of Governmental Industrial Hygienists OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

R: Risk

S: Safety

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

BOD: Biological Oxygen Demand

KoC: Soil Organic Carbon Partition Coefficient

### Prepared By: **Avantik Biogroup**

The information and recommendations presented in this SDS are based on sources believed to be accurate; therefore, Avantik Biogroup assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the information for their particular purposes.