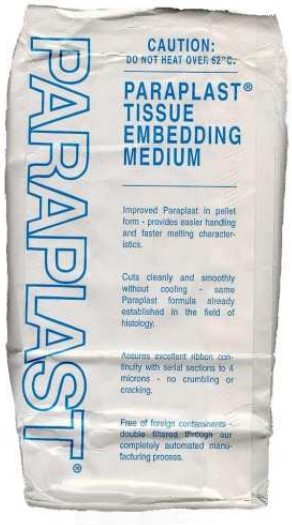
SPI Supplies Division
Structure Probe, Inc.
P.O. Box 656 West Chester, PA 19381-0656 USA
Phone: *1-(610)-436-5400* ***Fax:*** *1-(610)-436-5755*
E-mail: *spi3spi@2spi.com*
WWW: http://www.2spi.com
Manufacturer's CAGE: 1P573

Material Safety Data Sheet

SPI #02847-AB and 02847A-AB Paraplast® Tissue Embedding Medium

---

Section 1: Identification



Section 1: Identification of Product

Date Effective..... November 16, 2008
(most recent revision)

Chemical Name/Synonyms..... None known

Product Use..... Tissue embedding medium

Chemical family..... Hydrocarbon wax

Emergencies
Contacting CHEMTREC:

24 Hour Emergency Use Only #'s.....
Worldwide phone: 1-(703)-527-3887
Worldwide FAX: 1-(703)-741-6090
Toll-free phone: 1-(800)-424-9300 USA only

Product or Trade Name..... Paraplast®

CAS #..... Mixture

Chemical Formula..... Not known

This MSDS has been compiled in accordance with EC Directive 91/155/EC and OSHA's Hazcom Standard (29 CFR 1910.1200).

Section 2 Composition / Information on Ingredients

INGREDIENT NAME	CAS NUMBER	WEIGHT %	R Phrases	Classification
Polyisobutylene	9003-27-4 204-066-3	< 1 %	R-None	None
Paraffin	9002-74-2	> 99%	R-None	None

Section 3: Hazards Identification

Emergency overview:

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
Material 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.

Section 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.

Section 5: Fire Fighting Measures

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 NIOSH/MSHA approved positive pressure self-contained breathing apparatus and full protective clothing.

Section 6: Accidental Release Measures

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 nonsparking tools to scrape the wax into suitable containers for disposal. Wear appropriate protective clothing.

Section 7: Handling and Storage

Keep container tightly closed when not in use.
Storage area should be: - cool - dry - well ventilated - away from incompatible materials

Storage Recommendations:
Store in a cool, dry area, away from direct heat or sunlight. If intended for food or pharmaceutical packaging applications, keep away from pesticides, PCBs and other hazardous chemicals.

Section 8: Exposure Controls and Personal Protection

Occupational Exposure Standards

Polyisobutylene	Paraffin (fume)
None assigned.	ACGIH: TLV 2mg/m^3 8h TWA.UK
	EH40: OES 2mg/m^3 8h TWA.UK
	EH40: OES 6mg/m^3 10min TWA.

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.

Section 9: Physical and Chemical Properties

Physical State:	Waxy Pellets
Color Colorless:	White - Translucent
Odor:	Odorless
pH:	No data
Specific Gravity:	0.80
Boiling Range/Point (°C/F):	No data
Melting Point (°C/F):	47-65 / 117-149 (depending on grade)
Flash Point (PMCC) (°C/F):	210 / 410
Auto-flammability (deg C):	245 (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

Section 10: Stability and Reactivity

Stability:
Stable under normal conditions.

Conditions to Avoid:
Heat - High temperatures - Pressure - Mechanical shock

Materials to Avoid:
Reducing agents - Strong acids

Hazardous Polymerization:
Will not occur.

Hazardous Decomposition Products:
acrid smoke and irritating fumes

Section 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.

Section 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.

Section 13: Disposal Considerations

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

RCRA
Is the unused product a RCRA hazardous waste if discarded? No.

The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

Section 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

Section 15: Regulatory Information

labeling Information - Environment

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

R phrases
None.

S phrases
None.

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 the European List of New Chemical Substances (ELINCS) or are exempt from listing.

DSL/NDSL (Canadian) Listing
All ingredients in this product are listed on the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL).

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:
Proposition 65 requires manufacturers or distributors of consumer products into the State of California to provide a warning statement if the product contains ingredients for which the State has found to cause cancer, birth defects or other reproductive harm. If this product contains an ingredient listed by the State of California to cause cancer or reproductive toxicity, it will be listed below:

No products

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 which is listed in Section 313 at or above de minimis concentrations.

WHMIS Classification (CANADA):
Not a controlled substance. (Considered to be a manufactured article.)

Section 16: Other Information

Disclaimer of Liability:
Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to customers making devices for such applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute. SPI Supplies and Structure Probe, Inc. make no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues of fluids.

****

The information and recommendations set forth above are taken from sources believed to be accurate as of the date hereof, however SPI Supplies and Structure Probe, Inc. make no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assume no liability to any user thereof. The information contained in this sheet does not constitute a hazard assessment and should not be used in place of the user's own assessment of work place risks as required by other health and safety legislation.

Be aware of the Structure Probe, Inc. Copyright Policy. Structure Probe, Inc. grants a nonexclusive license to make unlimited copies of this safety sheet for internal use only. Quite obviously, this information would pertain only to this material when purchased from SPI Supplies as product from other sources, with other ingredients and impurity levels could have substantially different properties.

The Paraplast trademark is owned by Leica

ON-LINE To Ask a Question or Make a Comment

ON-LINE To Place an Order or Request a Quote

Search SPI Navigator Index

Return to:

- SPI Supplies MSDS Safety Sheets Table of Contents
- SPI Supplies Catalog Table of Contents
- SPI Supplies Home Page

© Copyright . By Structure Probe, Inc.
Contacting SPI Supplies and Structure Probe, Inc.
All rights reserved.

All trademarks and trade names are the property of their respective owners.
Privacy Policy

Worldwide Distributors, Representatives, and Agents