



SAFETY DATA SHEET

PathFIN Paraffin Item# 50-1100

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	PathFIN
Recommended Use:	Tissue Infiltration & Embedding Medium
Size:	2.2 pounds/bag, 8 bags per case
Manufacturer/ Supplier:	PathSUPPLY, Inc
Address:	2764 Pleasant Road No. 11707 Fort Mill, SC 29708-7299
Phone Number:	800-631-3556
Emergency Phone Number:	800-631-3556
MSDS Date:	2/3/2017

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

2. COMPOSITION / INFORMATION ON COMPONENTS

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

3. HAZARD IDENTIFICATION

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 Eyes / 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.

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 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.

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 full protective clothing and self-contained breathing apparatus.

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 non-sparking tools to scrape the wax into suitable containers for disposal. Wear appropriate protective clothing.

7. HANDLING AND STORAGE

Keep container tightly closed when not in use.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Standards Exposure limits are listed below, if they exist.

Paraffin

ACGIH: TLV 2mg/m³ 8h TWA. (fume)

UK EH40: OES 2mg/m³ 8h TWA.

UK EH40: OES 6mg/m³ 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.

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

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

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

16. OTHER INFORMATION

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: PathSUPPLY, Inc.

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