

Material Safety Data Sheet

Histowax Blocks™

Catalog No: S26.0280

1. Product and Company Information

Product Name	Histowax Blocks
Use/Size	Tissue embedding medium / 5 blocks per box
Catalog Number	S26.2080
Intended Use	For use on Peloris™ and embedding stations

Location	Asia Pacific	North America	Europe
Company	Leica Microsystems Pty Ltd 495 Blackburn Road Mount Waverley VIC 3149 Australia	Leica Microsystems Inc. 2345 Waukegan Road Bannockburn IL 60015 United States of America	Leica Microsystems (UK) Ltd Davy Avenue Knowlhill Milton Keynes Bucks MK5 8LB United Kingdom
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2. Composition/Information on Ingredients

Component	CAS Number	Percent Composition	Classification: indications of danger / R phrases
Paraffin	8002-74-2 232-315-6	> 75.00%	None / R-None

For indications of danger and R phrases see Section 15.

3. Hazards 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	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.

4. First Aid Measures

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.
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.
Eye	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.
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

Procedure(s) of Personal Precaution(s)	Wear appropriate protective clothing.
Methods of Cleaning Up	If wax is hot, let cool before initiating clean up. Use nonsparking tools to scrape the wax into suitable container for disposal.

7. Handling and Storage

Handling	Keep box closed when not in use. Do not stack over 4 boxes high.
Storage	Store at 10-37 °C (50-98.6 °F). Keep area dry, well ventilated and away from incompatible materials.

8. Exposure Controls/Personal Protection

Engineering Controls	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.
Occupational Exposure Limits	Paraffin • ACGIH: TLV 2mg/m ³ 8h TWA. (fume) • UK EH40: OES 2mg/m ³ 8h TWA • UK EH40: OES 6mg/m ³ 10min TWA.
Hand Protection	Chemical resistant gloves.
Eye Protection	Chemical safety goggles or safety glasses with side shields
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.
Body Protection	Normal work wear.

9. Physical and Chemical Properties

Physical Appearance	Wax blocks	Relative Density	No data
Color	Colorless, White Translucent	pH	No data
Odor	Odorless	Flash Point (PMCC) (°C/F)	210 / 410
Auto-flammability (°C)	245 (for 100% paraffin)	Solubility in water	Insoluble
Specific Gravity	0.80	Melting Point (°C/F)	47-65 / 117-149 (depending on grade)
Explosion limits	No data	Boiling Point (°C/F)	No data
Vapor Pressure	No data	Density	No data
Vapor Density (Air=1)	No data	Viscosity (cSt)	No data

10. Stability and Reactivity

Stability	Stable under normal storage conditions. Avoid heat, pressure and mechanical shock.
Materials to Avoid	Reducing agents and strong acids.
Hazardous Decomposition Products	Acrid smoke and irritating fumes Oxides of carbon
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute Toxicity	Low order of acute toxicity predicted. Paraffin: A 100mg dose applied to the rabbit eye for 24 hours caused mild irritation. A 500mg dose applied to the rabbit skin for 24 hours cause mild irritation.
Chronic Toxicity / Carcinogenicity	Paraffin: When implanted in rats 9120 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.
Persistence / Degradability	No relevant studies identified.
Ecotoxicity	No relevant studies identified.

13. Disposal Considerations

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

14. Transportation 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 Classification

Symbol of Danger	Not classified
Indication of Danger	Not classified
Risk Phrases	None
Safety Phrases	None

US Classification

Symbol of Danger	Not classified
Indication of Danger	Not classified
Risk Phrases	None
Safety Phrases	None

US Regulatory Information

SARA Listed	No
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16. Other Information

Indications of danger and R phrase listed in heading 2:

None

Limitations

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Leica Biosystems Melbourne Pty Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

Date Updated: 18 December 2007

