

Material Safety Data Sheet

Waxsol™ Cleaning Solution (USA)

Catalog No: S26.0390.110.A (20 liters)

1. Product and Company Information

Product Name	Waxsol Cleaning Solution (USA)
Catalog Number	S26.0390.110.A (20 liters)
Intended Use	Wax solvent for general use

Location	North America
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Company	Leica Microsystems Inc. 2345 Waukegan Road Bannockburn IL 60015 United States of America
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Customer Service	+1 800 248 0123
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2. Composition/Information on Ingredients

Component	CAS Number	Percent Composition	Classification: indications of danger / R phrases
Synthetic Isoparaffinic Hydrocarbon	64742-48-9	100%	Xn / R65, R66

For indications of danger and R phrases see Section 16.

3. Hazards Identification

This product is hazardous as defined in 29 CFR1910.1200.

OSHA HAZARD
Combustible

Eye	Slightly irritating but does not injure eye tissue.
Skin	Low order of toxicity. Frequent or prolonged contact may irritate and cause dermatitis. Skin contact may aggravate an existing dermatitis condition.
Inhalation	High vapor/aerosol concentrations (attainable at elevated temperatures well above ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anaesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.
Ingestion	Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. Minimal toxicity.

For additional information on toxicity, please refer to Section 11.

GENERAL HAZARD

- Combustible liquid: can form combustible mixtures at temperatures at or above the flashpoint.
- Static discharge: material can accumulate static charges which can cause an incendiary electrical discharge.
- “Empty” containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

4. First Aid Measures

Ingestion	Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. Minimal toxicity.
Inhalation	High vapor/aerosol concentrations (attainable at elevated temperatures well above ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anaesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.
Skin	Low order of toxicity. Frequent or prolonged contact may irritate and cause dermatitis. Skin contact may aggravate an existing dermatitis condition.
Eye	Slightly irritating but does not injure eye tissue.

5. Fire Fighting Measures

Firefighting Procedures	Use water spray to cool surfaces exposed to fire and to protect personnel. If possible, shut off the source of fuel to the fire. Use foam, dry chemical or water spray to extinguish fire.
Special Fire Precautions	Avoid spraying water directly into storage containers due to danger of boil over. See Section 4 "First Aid Measures", and Section 10 "Stability and Reactivity".
Hazardous Combustion Products	None unusual.

6. Accidental Release Measures

Procedure(s) of Personal Precaution(s)	Wear enclosed footwear and chemical-resistant gloves.
Methods of Cleaning Up	<p>LAND SPILL:</p> <ul style="list-style-type: none">• Keep public away. Shut off source if possible to do so without hazard. Advise police if substance has entered a watercourse or sewer or has contaminated soil or vegetation. Take measures to minimize the effect on the ground water.• Contain spilled liquid with sand or earth.• Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up with shovels or pails and place in suitable containers for recycle or disposal.• Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.• See Section 4 "First Aid Measures", and Section 10 "Stability and Reactivity". <p>WATER SPILL:</p> <ul style="list-style-type: none">• Warn other shipping. Notify port or relevant authority and keep public away. Shut off source if possible to do so without hazard. Confine if possible.• Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies sinking and/or suitable dispersants may be used in non-confined waters.• Consult an expert on disposal of any recovered material and ensure conformity to local disposal regulations.• See Section 4 "First Aid Measures", and Section 10 "Stability and Reactivity".

7. Handling and Storage

Handling	Keep container closed. Handle and open containers with care. Store in a cool, well-ventilated place away from incompatible materials. DO NOT handle or store near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures. DO NOT pressurize, cut, heat or weld containers. Empty product containers may contain product residue. DO NOT reuse empty containers without commercial cleaning or reconditioning.
Storage	Ambient. Keep container tightly closed.
Transport Temperature	Ambient. Keep container tightly closed.
Viscosity	1.67 cSt at 25 °C.
Storage/Transport Pressure (kPa)	Atmospheric.
Electrostatic Accumulation Hazard	Yes, use proper grounding procedure.
Usual Shipping Containers	Steel drums.

8. Exposure Controls/Personal Protection

Engineering Controls	The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures or otherwise to maintain ambient concentration below the recommended threshold exposure limits.
Occupational Exposure Limits	TWA: 1200 mg/m ³ (171 ppm).
Hand Protection	Compatible chemical-resistant gloves (PVC or Nitrile recommended).
Eye Protection	Chemical safety goggles.
General Hygiene Measures	Wash contaminated clothing before reuse. Wash thoroughly after handling. Discard contaminated shoes.

9. Physical and Chemical Properties

Physical Appearance	Liquid	Relative Density	0.770
Color	Colorless	pH	No data
Odor	Isoparaffinic, hydrocarbon	Flash Point (°C/F)	62 / 143.6 minimum
Auto Ignition Temperature	>200 °C	Solubility (20°C)	<0.10 wt % in water

10. Stability and Reactivity

Stability	Stable.
Materials to Avoid	Strong oxidizing agents.
Hazardous Decomposition Products	Liquid can release vapors that readily form flammable mixtures at or above the flash point.
Hazardous Polymerization	No.

11. Toxicological Information

Route of Exposure

Skin Contact	Low order of toxicity. May cause skin irritation.
Skin Absorption	May be harmful if absorbed through the skin.
Eye Contact	May cause eye irritation but does not injure eye tissue.
Inhalation	Vapor concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects.
Ingestion	Small amounts of liquid aspirated into respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema. Minimal Toxicity.

12. Ecological Information

This product is classified as a Volatile Organic Compound, according to the Directive 99/13/EC.

ENVIRONMENTAL MOBILITY

- This substance is highly volatile and will rapidly evaporate to the air if released into the environment.

ENVIRONMENTAL DEGRADABILITY

- This substance can degrade rapidly in air.
- This substance is expected to be removed in a wastewater treatment facility.

Based upon data for a similar substance or estimated data:

- This substance is expected to biodegrade at a moderate rate and be "inherently" biodegradable according to OECD guidelines.

ECOTOXICITY

Based upon data for a similar substance or estimated data:

- No acute toxicity to aquatic organisms is expected at the maximum water solubility of this material.
- Long-term adverse effects to aquatic organisms are not expected.

13. Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product is ashless and can be burned directly in appropriate equipment. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Empty containers should be taken for recycling, recovery or disposal through a suitable qualified or licensed contractor. Observe all federal, state, and local environmental regulations.

14. Transportation Information

DOT/IATA

Complete Shipping Name	Petroleum Distillates, n.o.s.
Hazard Class & Division	Class 3, Combustible liquid.
UN Number	1268
ERG Number	128
Packing Group	III
Other Information	For DOT regulated ground transport non-bulk quantities (<119 gallons) may be shipped as non-regulated.
SEA (IMDG)	NOT REGULATED.
AIR (ICAO/IATA)	NOT REGULATED.

15. Regulatory Information

TSCA	<p>This product is listed on the TSCA Inventory at CAS Registry Number 64742-48-9.</p> <p>Clean Water Act/Oil Pollution Act: This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802.</p>
CERCLA	<p>If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act. We recommend you contact local authorities to determine if there may be other local reporting requirements.</p>
SARA TITLE III	<p>Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:</p> <p>Fire: This information may be subject to the provisions of the Community Right-To-Know Reporting Requirements (40 CFR 370) if threshold quantity criteria are not met.</p> <p>Prop 65-3 Warning: This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.</p>

16. Other Information

Indications of danger and R phrase listed in heading 2:

Xn	Harmful.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

Notes

Contains approximately 10 ppm BHT as an antioxidant to protect product quality. DOMESTIC U.S. DOT CLASSIFICATION FOR UNREGULATED INTERNATIONAL SHIPMENT: Combustible Liquid, N.O.S. (Petroleum Hydrocarbon), NA1993, III (62 DegC cc).

Hazard Rating Systems

This information is for people trained in:

- National Paint & Coatings Association's (NPCA) Hazardous Materials Identification System (HMIS)
- National Fire Protection Association (NFPA 704) Identification of the Fire Hazards of Materials.

	NPCA-HMIS	NFPA 704
Health	1	1
Flammability	2	2
Reactivity	0	0

Key

4 = Severe; 3 = Serious; 2 = Moderate; 1 = Slight; 0 = Minimal

Caution: HMIS ratings are based on a 0-4 rating scale with 1 representing minimal hazards or risks, and 4 representing significant hazards or risks. Recommended HMIS ratings should not be used in the absence of a fully implemented HMIS hazard communication program.

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: 08 January 2008.

