

Material Safety Data Sheet

Waxsol™ Cleaning Solution (Europe)

Catalog No: **S26.0391 (20 liters)**, **S26.0392 (5 liters)**

1. Product and Company Information

Product Name	Waxsol Cleaning Solution (Europe)
Catalog Number	S26.0391 (20 liters), S26.0392 (5 liters)
Intended Use	Wax solvent for general use

Location	Europe/Middle East/Africa
Company	Leica Biosystems Newcastle Ltd Balliol Business Park West Benton Lane Newcastle Upon Tyne NE12 8EW United Kingdom
Telephone	+44 191 215 4242
Customer Service	0800 298 2344
Facsimile	+44 191 215 1152

2. Composition/Information on Ingredients

Component	EINECS Number	CAS Number	Percent Composition	Classification: indications of danger / R phrases
Alkanes, C11-15, iso	292-460-6	90622-58-5	100%	Xn / R65, R66

For indications of danger and R phrases see Section 16.

3. Hazards Identification

According to the Dangerous Substances Directive 67/548/EEC the product is classified as:

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

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

Inhalation	Harmful: may cause lung damage if swallowed.
Skin	Repeated exposure may cause skin dryness or cracking.

PHYSICAL AND CHEMICAL HAZARDS / FIRE AND EXPLOSION HAZARDS

- Low hazard: material can form flammable mixtures or can burn only on heating to temperatures at or above the flash point.
- Static discharge: product can accumulate static charges which can cause an incendiary electrical discharge.

4. First Aid Measures

Ingestion	If ingested, wash out mouth with water, provided person is conscious. Seek medical advice immediately. Do not induce vomiting.
Inhalation	If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice immediately.
Skin	Immediately remove contaminated clothing and shoes. In case of skin contact, flush with plenty of water for at least 15 minutes with soap if available. Seek medical advice.
Eye	In case of contact with eyes, flush with plenty of water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. Seek medical advice immediately.

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	<p>Keep container closed. Handle and open containers with care. Store in a cool, well-ventilated place away from incompatible materials.</p> <p>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.</p> <p>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.</p>
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	62 °C 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

The waste category of this product is "08 XX XX". The user must be aware that the conditions of use may affect the waste classification after use. Please refer to Directive 2001/118/EC for waste nomenclature.

The following advice only applies to the product as supplied. Combination with other materials may well indicate another route of disposal. If in doubt, contact your local Authorities. Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should in any case be taken to ensure compliance with EC, national and local regulations.

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.

14. Transportation Information

DOT/IATA

Land, (railway, RID/ADR)	NOT REGULATED.
Inland Waterways (such as AND/R)	Class 9, UN Number 9003. Transport Document Name: 9003, SUBSTANCES WITH A FLASH POINT ABOVE 61 °C BUT NOT MORE THAN 100 °C, (N.O.S.) (ISOUNDECANES).
SEA (IMDG)	NOT REGULATED.
AIR (ICAO/IATA)	NOT REGULATED.

15. Regulatory Information

EEC Classification

Symbol of Danger	Xn.
Indication of Danger	Harmful.
Risk Statements	Harmful, may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.
Safety Statements	S23, S24, S33, S62. Do not breathe gas/fumes/spray. Avoid contact with skin. Material will accumulate static charges which may cause an electrical spark (ignition source). If swallowed, do not induce vomiting: seek medical advice immediately.

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.

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 Newcastle Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

Date Updated: 12 February 2008.

