



SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No: 316121064

ID No.: 316121060

Product name: **Microscope oil (Zeiss immersion oil 518N)**

Manufacturer/supplier identification

Company: VWR International Ltd, Merck House, Poole, Dorset, BH15 1TD, England
Telephone : 01202 669700 Telefax : 01202 665599

Emergency telephone No.: 01202 669700

2. Composition/information on ingredients

Chemical characterization

Organic liquid Mixture

Product name: Immersion oil

CAS number: Not applicable

EC-No.: Not applicable

Hazardous ingredients:

Tricyclo(5.2.1.0^{2.7})decane-4,8-dimethanol

10-15%

CAS number: 26896-48-0

EC-No.: 248-096-5

Symbol: Xi

R-phrases: R36

Diphenyl cresyl phosphate

CAS number: 26444-49-5

EC-No.: 247-693-8

3. Hazards identification

Not classified as dangerous according to EC Directives.

4. First aid measures

Eye contact: Irrigate thoroughly with water. If discomfort persists obtain medical attention.

Inhalation: Remove from exposure.

Skin contact: Wash off thoroughly with soap and water.

Ingestion: Wash out mouth thoroughly with water. In severe cases obtain medical attention.

5. Fire-fighting measures

Special risks:

Combustible. May evolve toxic fumes in fire.

Suitable extinguishing media:

Water spray, foam, dry powder or carbon dioxide. Do not stay in dangerous zone without respiratory protective equipment.

6. Accidental release measures

Wear appropriate protective clothing.

Absorb on an inert absorbent, (e.g. BDH Spillage absorption granules), transfer to a suitable container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

7. Handling and storage

Handling:

Use only in a well ventilated area. Avoid contact with skin and eyes. Change contaminated clothing. Wash hands after working with substance. Do not empty into drains.

Storage:

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct

sunlight and moisture.

8. Exposure controls/personal protection

As appropriate to the situation and the quantity handled.

Respirator: Respiratory protection is not normally required.

Ventilation: Use only in a well ventilated area.

Gloves: Rubber or plastic

Eye Protection: Goggles or face-shield

Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

Engineering methods to control or prevent exposure are preferred. Methods could include process enclosure or mechanical ventilation.

9. Physical and chemical properties

Form:	liquid
Colour:	colourless
Odour:	odourless
Melting temperature	Not available
Boiling temperature	>250°C
Density(g/ml)	1.14
Vapour pressure	<0.01 hPa
Viscosity	775 mm ² /s (20°C)
Solubility in water	Immiscible or insoluble
Flash point	248°C
Auto-ignition temperature	No data

10. Stability and reactivity

Stable.

Substances to be avoided
strong oxidizing agents.

11. Toxicological information

Quantitative data on the toxicity of this product are not available.

Possible effects:

After skin contact: Slight irritation.

After eye contact: Slight irritation.

Further data

No data

No evidence of carcinogenic properties. No evidence of mutagenic or teratogenic effects.

12. Ecological information

Adverse ecological effects cannot be excluded in the event of improper handling or disposal. Do not allow to enter drinking water supplies, waste water, or soil!

13. Disposal considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

14. Transport information

UN-No.: 3082

IMDG class: 9

IMO: 9/3082

Packaging group: III

IATA: 3082

Packaging group: III

Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(DIPHENYL CRESYL PHOSPHATE)

ADR/RID: 9,11'(c)

15. Regulatory information

Labelling according to EC directives

Symbol:

R-phrases: R99

Not classified as dangerous according to EC Directives.

S-phrases:

EC-No.: Not applicable

Local Regulations

U.K. Transport Category 3

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

UK Exposure Limits: None assigned

16. Other information

Date of issue: 01/03/99

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