

SAFETY DATA SHEET

IMMERSION OIL

According to Regulation (EC) No 1907/2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME IMMERSION OIL

SUPPLIER Pro-Lab Diagnostics
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PRODUCT NO. PL.396

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CONTAINER SIZE 50 ml

2 HAZARDS IDENTIFICATION

Harmful if swallowed. Limited evidence of a carcinogenic effect. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Xn;R22. Carc. Cat. 3;R40. N;R50/53.

ENVIRONMENT

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

HUMAN HEALTH

Harmful if swallowed. Limited evidence of a carcinogenic effect. Carcinogen Category 3.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
BENZYL BENZOATE	204-402-9	120-51-4	30-60%	Xn;R22
CHLOROPARAFFIN WAX 64 C	264-150-0	63449-39-8	60-100%	Carc. Cat. 3;R40. N;R50/53.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

CAUTION! First aid personnel must be aware of own risk during rescue! Place unconscious person on the side in the recovery position and ensure breathing can take place. Never give liquid to an unconscious person. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Perform artificial respiration if breathing has stopped.

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

INGESTION

Do not induce vomiting. Rinse mouth thoroughly. Get medical attention immediately!

SKIN CONTACT

Take off contaminated clothing and wash before reuse. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

IMMERSION OIL**EXTINGUISHING MEDIA**

Extinguish with foam, carbon dioxide or dry powder.

SPECIFIC HAZARDS

In case of fire, toxic fumes or vapours may be formed.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Do not let washing down water contaminate ponds or waterways. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Avoid inhalation of vapours and spray mists.

Wash hands after handling.

STORAGE PRECAUTIONS

Store in closed original container at temperatures between 15°C and 25°C. Protect from sunlight. Moisture. Keep away from combustible materials.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Wear suitable respiratory protection when vapours or mists are generated and there is inadequate ventilation or extraction.

HAND PROTECTION

Use protective gloves made of: Butyl rubber. or Nitrile. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and safety shower. If risk of splashing, wear safety goggles or face shield.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes wet or contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Colourless to pale yellow		
ODOUR	Aromatic.		
SOLUBILITY	Immiscible with water Soluble in: xylene / toluene.		
BOILING POINT (°C)	> 200°C 760 mm Hg	RELATIVE DENSITY	0.94 @ 20°C
VAPOUR PRESSURE	< 0.1 hPa @ 20°C	REFRACTIVE INDEX	1.5110 to 1.5188

10 STABILITY AND REACTIVITY

IMMERSION OIL**STABILITY**

Stable under normal temperature conditions and recommended use.

MATERIALS TO AVOID

Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 > 10, 000 mg/kg (oral rat)

TOXIC CONC. - LC 50 >4.7 mg/l/4h (inh-rat)

INHALATION

Vapours may irritate throat and respiratory system and cause coughing.

INGESTION

Harmful if swallowed. May cause discomfort if swallowed.

SKIN CONTACT

May cause irritation on prolonged or repeated contact.

EYE CONTACT

Slightly irritating.

OTHER HEALTH EFFECTS

Carcinogen Category 3.

SPECIFIC EFFECTS

Contains a substance/a group of substances which may cause cancer.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

LC 50, 96 Hrs, FISH mg/l 1, 000 (Rainbow trout, Fathead minnow)

BIOACCUMULATION

Low bioaccumulation potential.

DEGRADABILITY

The product is slowly degradable. The product has not proven to be degradable under anaerobic conditions.

ACUTE FISH TOXICITY

Very toxic to aquatic organisms.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

14 TRANSPORT INFORMATION

UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLOROPARAFFIN WAX 64 C)		
UN NO. ROAD	3082	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(E)

IMMERSION OIL

HAZARD No. (ADR)	90	ADR LABEL NO.	9
HAZCHEM CODE	+3Z	CEFIC TEC(R) NO.	90GM6-III
RID CLASS NO.	9	RID PACK GROUP	III
UN NO. SEA	3082	IMDG CLASS	9
IMDG PACK GR.	III	EMS	F-A, S-F
UN NO. AIR	3082	AIR CLASS	9
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

CONTAINS

BENZYL BENZOATE
CHLOROPARAFFIN WAX 64 C

RISK PHRASES

R22 Harmful if swallowed.
R40 Limited evidence of a carcinogenic effect.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S36/37 Wear suitable protective clothing and gloves.
S57 Use appropriate containment to avoid environmental contamination.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION COMMENTS

General rewrite.

REVISION DATE 02-2009

REV. NO./REPL. SDS GENERATED 2

SDS NO. 10648

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

R22 Harmful if swallowed.
R40 Limited evidence of a carcinogenic effect.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.