



SAFETY DATA SHEET

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Supersedes : 24 / 8 / 2012

Immersion oil RAL**339200**

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : Immersion oil RAL

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification : RAL DIAGNOSTICS S.A.S.
Site Montesquieu
33651 MARTILLAC CEDEX France
Tel : +33 (0) 5 57 96 04 04 Fax : +33 (0) 5 57 96 04 05
www.ral-diagnostics.com
Email: fds@ral-diagnostics.fr

1.4. Emergency telephone number

Emergency phone nr : ORFILA : +33 (0) 1 45 42 59 59

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : Not classified.

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Not regulated.

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Not required.

2.3. Other hazards

Other hazards : None under normal conditions.

SECTION 3 Composition/information on ingredients

Substance / Preparation : Substance.

This product is not considered to be hazardous and does not contain hazardous components.

Substance name	Value(s)	CAS nr	EINECS nr	EC index	REACH	Classification
Synthetic oil	> 95 %	Proprietary	----	----	----	Not classified. (DSD/DPD) ----- Not classified. (GHS)

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid

- Inhalation : Take victim to fresh air. Obtain medical attention if breathing difficulty persists.
- Skin contact : Seek medical attention if ill effect or irritation develops.
- Eye contact : Rinse with water. Seek medical attention if irritation develops.
- Ingestion : Rinse mouth. Seek medical attention if ill effect develops.

4.2. Most important symptoms and effects, both acute and delayed

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SECTION 4. First aid measures (continued)

- **Inhalation** : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- **Skin contact** : Not expected to present a significant skin hazard under anticipated conditions of normal use.
- **Eye contact** : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
- **Ingestion** : Must not come into contact with food or be consumed. No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of ingestion.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

Extinguishing media : Powder. Carbon dioxide. Do not use water. Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Benzene.

5.3. Advice for fire-fighters

- Flammable class** : Not flammable.
- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Equip cleanup crew with proper protection.

6.2. Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

After spillage and/or leakage : Clean up any spills as soon as possible, using an absorbent material to collect it. Dispose in a safe manner in accordance with local/national regulations.

6.4. Reference to other sections

See Heading 8.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handling : Handle in accordance with appropriate industrial hygiene and safety procedures. Keep away from food, drink and animal feeding stuffs. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Spilled substance increases risk of slipping.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep cool. Keep container tightly closed and dry.


7.3. Specific end use(s)

Not applicable.

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SECTION 7. Handling and storage (continued)

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

No data available.

8.2. Exposure controls

Personal protection



- **Respiratory protection**
- **Hand protection**

: Not required.

: Gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
In full:
Material: nitrile rubber.
Minimum thickness: 0.10 mm.
Break through time: Not tested.
Proposed equipment : Touch N Tuff® (Ansell 92-500 ou 92-670).

- **Skin protection**

In the event of splashes:
Material: nitrile rubber.
Minimum thickness: 0.10 mm.
Break through time: Not tested.
Proposed equipment : Touch N Tuff® (Ansell 92-500 ou 92-670).
Source of data: Ansell Healthcare Europe N.V., Riverside Business Park, Block J, Boulevard International 55, B-1070 Brussels, Belgium, Tel. +32 (0)2 528 74 00, e-mail : info@ansell.eu.

- **Eye protection**

: Wear suitable protective clothing. Choose body protection in relation to the dangerousness of the product, its concentration and the amounts used depending on the workstation.

- **Ingestion**

: Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Industrial hygiene

: When using, do not eat, drink or smoke.
: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

9.1.a. Appearance

Physical state : Liquid.
Colour : Colourless.

9.1.b. Odour

Odour : Odourless.

9.1.c. Odour threshold

No data available.

9.1.d. pH

9.1.e. Melting point / Freezing point

No data available.

9.1.f. Initial boiling point - boiling range

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SECTION 9. Physical and chemical properties (continued)

No data available.

9.1.g. Flash point

No data available.

9.1.h. Evaporation rate

No data available.

9.1.i. Flammability

No data available.

9.1.j. Explosion limits (lower - upper)

No data available.

9.1.k. Vapour pressure

No data available.

9.1.l. Vapour density

No data available.

9.1.m. Relative density

Density : 1.091 - 1.096 (25°C).

9.1.n. Solubility

Solubility in water : Material nearly insoluble in water.

9.1.o. Partition coefficient : n-octanol / water

No data available.

9.1.p. Auto-ignition temperature

No data available.

9.1.q. Thermal decomposition

No data available.

9.1.r. Viscosity

Viscosity at 25°C [mPa.s] : 1000

9.1.s. Explosive Properties

No data available.

9.1.t. Oxidising properties

No data available.

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Physico-chemical stability : Stable in normal temperature and pressure conditions.


10.3. Possibility of hazardous reactions

No data available.

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SECTION 10. Stability and reactivity (continued)

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Tests have shown that from 180 ° C, a small amount of benzene is released. Measures taken at 150 ° C and beyond have shown that oxidative decomposition occurs that releases a low quality of formaldehyde.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

• Acute toxicity

On ingredients

Synthetic oil

: Rabbit-rat dermal [mg/kg/24 hours] : > 2000

: Rat oral LD50 [mg/kg] : > 2000

• Skin corrosion/irritation

: Given the available data, a clinically significant skin irritation is unlikely.

Test the rabbit: non-irritant.

Patch test on humans (24h): not harmful to the skin.

• Serious eye damage/irritation

: Given the available data, a clinically significant eye irritation is unlikely.

Test the rabbit: non-irritant.

• Respiratory or skin sensitisation

: Given the available data, a sensitization reaction due to this product is unlikely.

Test on guinea pigs (Magnusson-Kligman): not sensitizing by skin contact.

• Germ cell mutagenicity

: Test (in vitro) mutation assay on bacterial cells: negative.

• Carcinogenicity

: No data available.

• Reproductive toxicity

: No data available.

• STOT-single exposure

: No data available.

• STOT-repeated exposure

: Test in rats: NOAEL 1000mg/kg.

• Aspiration hazard

: No data available.

• Potential effects on health

: Not expected to present a significant hazard under anticipated conditions of normal use.

• Signs and symptoms of exposure

: To our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 12. Ecological information

12.1. Toxicity

No data available.

12.2. Persistence - degradability

Non-biodegradable.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

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SECTION 12. Ecological information (continued)

12.6. Other adverse effects

Not release to the environment.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Disposal : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14. Transport information

14.1. UN number

• UN No. : Unregulated.

14.2. UN proper shipping name

• Proper shipping name : Unregulated.

14.3. Transport hazard class(es)

• Hazard Label(s) : Unregulated.

• Class : Unregulated.

- H.I. nr : Unregulated.

• Classification code : Unregulated.

14.4. Packing group

• ADR Packing group : Unregulated.

• IMO Packing group : Unregulated.

• IATA Packing group : Unregulated.

14.5. Environmental hazards

• IMDG-Marine pollution : Unregulated.

14.6. Special precautions for user

Emergency action in case of accident

• IMO-IMDG code : FS : Unregulated.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.


SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Ensure all national/local regulations are observed.

15.2. Chemical Safety Assessment

Not applicable.

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SECTION 16. Other information

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Further information : Product intended for professional use only.

The contents and format of this SDS are in accordance with REGULATION (EC) No 453/2010 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.

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