

SAFETY DATA SHEET

RHODORSIL OIL 47 V 100

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Date: 08/03/2002

Version: 3.01 UK

Cancels and replaces version: 2.00 UK

1 Product and company identification.

PRODUCT NAME : RHODORSIL OIL 47 V 100
Use : Surfactant for plastic foams.
Active ingredient for cleaning materials.
Mould releasing agent.
Diluent for silicone elastomers (RTV).
Dielectric fluid.
Thermostatic fluid.
Water-proofing powders.
Lubricant.
(For further information, refer to the product technical data sheet).

SUPPLIER : Manufacturer :
Name : RHODIA SILICONES s.a.s.
Address : 19,avenue G.Pompidou.
F-69486 LYON cedex 03.
Telephone number : 04 72 13 19 00.
Telex number : RPSIL 305 111 F.
Telefax number : 04 72 13 19 88.

MANUFACTURING SITE
Factory : RHODIA SILICONES s.a.s.
USINE SILICONES.
Address : 1 rue des frères Perret.
F-69191 SAINT-FONS cedex.
Telephone number : 04 72 73 74 75.
Telefax number : 04 72 73 75 99.

EMERGENCY TELEPHONE NUMBER : 00 44 1865 407 333 (UK : 01865 407 333)

2 Composition / information on ingredients

>> SUBSTANCE
Common chemical name : Polydimethylsiloxane
CAS number : 63148-62-9.
Hazardous impurities : none.

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3 Hazards identification

MOST IMPORTANT HAZARDS

Adverse human health effects

: The product does not present any particular risk.

Environmental effects

: Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.

Physical and chemical hazards

- Fire or explosion

: Combustible.

Classification/Specific hazards

: According to EEC criteria, this product is not classified as a "hazardous substance".

Further information

: If spilled, may cause the floor to be slippery.

4 First-aid measures

Inhalation

: Not specifically applicable.

Skin contact

: Wipe off as much as possible (using a clean, soft, absorbent material).
Wash with soap and water.

Eye contact

: Immediately rinse with water for a prolonged period whilst keeping the eyes wide open.
If irritation persists, consult an eye specialist.

Ingestion

: Consult a doctor if necessary.

5 Fire - fighting measures

Extinguishing media

- Suitable

: Foam.
Powders.
Carbon dioxide (CO₂).

- Not suitable

: Strong water jet.

Specific hazards

: Combustible liquid.
For further information, refer to section 10: "Stability and Reactivity".

Specific fire fighting methods

: Cool down the containers/equipment exposed to heat with a water spray.

Protection of fire-fighters

: Self-contained breathing apparatus.

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6 Accidental release measures

Personal precautions

- : Personal protective equipment:
Safety spectacles.
Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions

- : For a large spillage, contain the spillage by bunding.
Do NOT discharge into drains or rivers.

Methods for cleaning up

- Recovery

- : Collect up the product and place it in a spare container: - suitably labelled.
- with a closing device.
Keep the recovered product for subsequent disposal.

- Neutralization

- : Absorb non-recoverable liquid with:
- dry sand or dry inert absorbent.

- Cleaning/Decontamination

- : Decontaminate and wash the floor with:
- an appropriate solvent.(cf. : § 9)
Then wash with plenty of water.

- Disposal

- : Incinerate contaminated materials at an authorized installation.
-

7 Handling and storage

HANDLING

Technical measures

- : Does not require any specific or particular measures.

STORAGE

Technical measures

- : Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

Storage conditions

- Recommended

- : Stable under normal storage conditions.

Incompatible products

- : Refer to the detailed list of incompatible materials (section 10 "Stability/Reactivity").

Packaging

- : - Steel drums varnished with epikote.
- Plastic drums.

Packaging materials

- Recommended

- : Coated steels.
Plastic materials.
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8 Exposure controls / personal protection

Control parameters

Occupational exposure limits

- Limits (UK) : No specific limits.

Personal protective equipment

- Respiratory protection : During spraying wear:
Respiratory protective device with a gas filter.

- Eye protection : Safety spectacles.

Collective emergency equipment : Eye fountain.

9 Physical and chemical properties

APPEARANCE

- Physical state : Liquid.

- Form : viscous.

- Colour : colourless.

Odour : none to very slight.

pH : Not applicable

Specific temperatures

- Freezing : Approx. -55°C.

Decomposition temperature : > 200°C.

Flammability characteristics

- Flash point : 300°C (Closed cup, according to method Afnor T 60103).

- Auto-ignition temperature : > 400°C (Spontaneous ignition temperature).

Oxidizing properties : Non oxidizing material according to EEC criteria.

Vapour pressure : < 0.01kPa at 20°C.

Specific gravity : Approx. 965 kg/m³ at 25°C.

Solubility

- in water : Practically insoluble.

- in organic solvents : Very slightly soluble in:
- acetone
- alcohol (ethanol)
Miscible (in all proportions) with:
- ethers.
- Aliphatic hydrocarbons.
- aromatic hydrocarbons (toluene, xylene).
- chlorinated solvents.

Kinematic viscosity : approx. 100 mm²/s at 25 °C.

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Volatile component : < 0.5 % at 150 °C (2 hours).

10 Stability and reactivity.

Stability : Stable at room temperature.
Hazardous reactions
- Materials to avoid : Reacts with:
- strong oxidizing agents.
- Hazardous decomposition products : On combustion forms:
(Carbon oxides (CO + CO₂)).
amorphous silica

11 Toxicological information

Acute toxicity : LD 50 skin (Rat): >2000 mg/kg.
LD 50 oral (Rat): > 5000 mg/kg.
(Unpublished work).
(Results based on a similar product).
Local effects : May cause slight temporary irritation to ocular mucous membranes.
Sensitisation : No information available.
Specific effects :
- Mutagenicity : No information available.

12 Ecological information

MOBILITY

Adsorption/desorption : Product adsorbs onto soil.
Precipitation : The product is slightly soluble and forms a sediment by adsorption onto materials or particles in suspension.
Expected behaviour of the product : Ultimate destination of the product : SOIL and SEDIMENT.
BIODEGRADABILITY
- Ultimate aerobic biodegradability : Not biodegradable.
BIOACCUMULATION
Bioconcentration factor. : Not bioaccumulable.

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13 Disposal considerations

WASTE FROM RESIDUES

Destruction/Disposal : Dispose of at a licensed waste collection point.

CONTAMINATED PACKAGING

Decontamination/cleaning : Allow it to drain thoroughly.
Rinse with an appropriate solvent.
Recover the solvent used for rinsing and incinerate at a licensed site.

Destruction/Disposal : Recycle following cleaning or dispose of at an authorised site.

NOTE : The user's attention is drawn to the possible existence of local regulations regarding disposal.

14 Transport information

INTERNATIONAL REGULATIONS

Land

- Rail/road (RID/ADR) : NOT restricted.

Sea (IMO/IMDG) : NOT restricted.

Air (ICAO-IATA) : NOT restricted.

NOTE : The above regulatory prescriptions are those valid on the date of publication of this sheet.
Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

15 Regulatory information

LABELLING

EEC regulations : Mandatory labelling (self-classification) of hazardous substances: not applicable.

NOTE

: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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16 Other information

Uses

- Prohibited uses : This product is only intended for industrial use.
- European inventory (EINECS, ELINCS) : These polymers are not concerned by the EINECS inventory. The corresponding monomers are registered in the EINECS inventory.
- American inventory (TSCA) : Registered in the TSCA inventory.

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.