

## SAFETY DATA SHEET

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**RHODORSIL HUILE 47 V 50**

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Date: 08/02/2007

Version: 4.01

Cancels and replaces version: 3.00

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### 1 Product and company identification.

PRODUCT NAME : RHODORSIL HUILE 47 V 50

Use : Lubricant.  
Thermostatic fluid.  
Dielectric fluid.  
Diluent for silicone elastomers (RTV).  
Paint additive.  
Mould releasing agent.  
Active ingredient for cleaning materials.  
Water-proofing powders.  
(For further information, refer to the product technical data sheet).

SUPPLIER : Manufacturer :

Name : BLUESTAR SILICONES FRANCE S.A.S

Address : 21, Avenue Georges Pompidou  
F-69486 LYON Cedex 03

Telephone number : +33 (0) 4 72 13 19 00

Telefax number : +33 (0) 4 72 13 19 88

MANUFACTURING SITE

Factory : BLUESTAR SILICONES FRANCE S.A.S  
Usine Silicones Rhône-Alpes

Address : 1-55 rue des Frères PERRET  
F-69191 Saint Fons Cedex

Telephone number : +33 (0) 4 72 73 74 75

Telefax number : +33 (0) 4 72 73 75 99

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### 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.

Specific hazards

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

Further information

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

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### 4 First-aid measures

Inhalation

: Not specifically applicable.

Skin contact

: Remove all contaminated clothing and footwear.  
Wash with soap and water.  
In case of inflammation (redness, irritation, ...) obtain medical attention. Show this sheet to the doctor.

Eye contact

: Rinse with running water whilst keeping the eyes wide open. (at least 15 minutes).

Ingestion

: NEVER attempt to induce vomiting. Rinse mouth out with water.

Further information

: Use appropriate protective equipment when treating a contaminated person.  
Place contaminated clothing in a sealed bag for disposal.

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### 5 Fire - fighting measures

Extinguishing media

- Suitable

: Foam  
Powders  
Carbon dioxide (CO<sub>2</sub>)

- 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.  
Self-contained breathing apparatus.

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Protection of fire-fighters :

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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.

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### 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

Personal protective equipment

- Respiratory protection : During spraying wear:  
Respiratory protective device with a particle filter.
  - Hand protection : Protective gloves made of PVC.  
Nitrile protective gloves  
Protective gloves must be chosen according to the function of the work station: other chemicals which may be handled, physical protection necessary (resistance to cutting, puncture, heat), dexterity required.
  - Eye protection : Safety spectacles with side shields.
  - Skin and body protection : Protective clothing with elasticated cuffs and closed neck.
  - Collective emergency equipment : Eye fountain.
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### 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 : 280°C (Closed cup, according to method Afnor T 60103).
  - Auto-ignition temperature : > 400°C (Spontaneous ignition temperature).
  - Oxidizing properties : Not considered as oxidizing.  
(Expert statement)
  - Vapour pressure : < 0.01kPa to 20°C.
  - Specific gravity : Approx. 960 kg/m<sup>3</sup> at 25°C.
  - Solubility
  - in water : Practically insoluble.
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- 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. 50 mm<sup>2</sup>/s at 25 °C.

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

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### 10 Stability and reactivity

Stability : Stable at room temperature.

Hazardous reactions

- Materials to avoid : Reacts with:  
- strong oxidizing agents.  
- alkalis and hot concentrated caustic products.

- Hazardous decomposition products : On combustion forms:  
(Carbon oxides (CO + CO<sub>2</sub>)).  
amorphous silica

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### 11 Toxicological information

Acute toxicity : LD 50 skin (Rat): >2000 mg/kg.  
LD 50 oral: > 5000 mg/kg (Rat)  
(Published data).

Local effects : Not classified as irritating to skin and eyes  
(Published data).  
May cause slight temporary irritation to ocular mucous  
membranes.

Sensitisation : Not classified as sensitising by skin contact  
(Published data).

Specific effects

- Mutagenicity : NOT considered to be : genotoxic  
(Published data).

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### 12 Ecological information

**MOBILITY**

Expected behaviour of the product : Ultimate destination of the product : SOIL and SEDIMENT.

**BIODEGRADABILITY**- Ultimate aerobic biodegradability : To be considered to be : Not biodegradable.  
(Published data).**BIOACCUMULATION**Bioconcentration factor. : To be considered to be : Not bioaccumulable.  
(Published data).**ECOTOXICITY**Effects on the aquatic environment : NOT considered to be : Harmful to aquatic organisms.  
(Published data).

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### 13 Disposal considerations

**RESIDUES FROM PRODUCT**

Prohibition : Discharging waste into rivers and drains is forbidden.

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.

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### 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.

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### 15 Regulatory information

#### LABELLING

EC 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.

Registration numbers : The polymers are not listed in the EINECS inventory. The corresponding monomers are registered in the EINECS inventory. Registered in the TSCA inventory. Registered in the Canadian inventory (CEPA DSL). Registered on the AICS inventory. Registered in the Chinese inventory. Registered in the Korean inventory. Registered in the Philippine inventory (PICCS)

R Phrases of § 2 & 3 : No R phrases.

\* Update : This sheet was updated (refer to the date at the top of this page). Subheadings and text which have been modified since the previous version are indicated with an asterisk (\*).

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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.