

SAFETY DATA SHEET

RHODORSEAL 5661

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Date: 28/02/2006

Version: 3

Cancels and replaces version: 2.00

1 Product and company identification.

PRODUCT NAME : RHODORSEAL 5661
Use : Used for making joints, sealing and gluing.
(For further information, refer to the product technical data sheet).
SUPPLIER : Manufacturer :
Name : RHODIA SILICONES S.A.S.
Address : 191, avenue Thiers.
F-69457 LYON cedex 06.
Telephone number : +33 (0) 4 72 13 19 00
Telefax number : +33 (0) 4 72 13 19 88.
MANUFACTURING SITE
Factory : RHODIA SILICONES 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.

2 Composition / information on ingredients

>> PREPARATION

Chemical nature : Blend of polydimethylsiloxanes , Silica , inert fillers , crosslinker
Components presenting hazards : Silanetriol, methyl-, triacetate (CAS: 4253-34-3) : < 5 % -
Self-classification : R14 - C; R34 - Xn; R22 EC N° :224-221-9
[*]

3 Hazards identification

MOST IMPORTANT HAZARDS

Adverse human health effects : Slightly irritating to eyes, respiratory system and skin.
Physical and chemical hazards
- Fire or explosion : Combustible.
- Further hazards : On contact with humidity:
irritating vapours are released.
During use, acetic acid is released (CAS: 64-19-7). [*]

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

Further information : After drying, may stick to the skin.

4 First-aid measures

Inhalation : Not specifically applicable.

Skin contact : Remove all contaminated clothing and footwear.
Wash with soap and water.

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.

5 Fire - fighting measures

Extinguishing media

- Suitable : Carbon dioxide (CO₂).
Foam.
Powders.
Water spray.

- Not suitable : None to our knowledge. If there is a fire close by, use suitable extinguishing agents.

Specific hazards : Combustible.
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.

6 Accidental release measures

Personal precautions : Avoid contact with skin and eyes.
Do not breathe vapours.
Protective equipment:
For further information refer to section 8 "Exposure-controls/personal protection".
Mechanically ventilate the spillage area.

Environmental precautions : This product does not present any particular risk for the environment.

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Methods for cleaning up

- Recovery : Scrape up the product with a spatula or similar instrument
Collect up the product and place it in a spare container:
 - suitably labelled.
 - tightly closed.
 - Neutralization : Absorb residues with:
 - inert absorbent material.
 - Cleaning/Decontamination : Decontaminate and wash the floor with:
 - an appropriate solvent.(cf. : § 9)Then wash with plenty of water.
 - Disposal : For disposal of solid materials refer to section 13 "Disposal considerations".
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7 Handling and storage

HANDLING

- Technical measures : Ventilation.
- Measures : Do not exceed the occupational exposure limits (OEL).
- Safe handling advice : Comply with instructions for use (refer to technical sheet).
Work outside or in a well-ventilated room.

STORAGE

- Technical measures : Does not require any specific or particular technical measures.
 - Storage conditions
 - Recommended : Keep:
 - only in the original container
 - the container tightly closed and dry.
 - Incompatible products : Strong oxidizing agents.
 - Packaging : - Polyethylene liner in a metal drum varnished with epikote.
 - Packaging materials
 - Recommended : Polyethylene.
Coated metals.
 - Further information : The product polymerises on contact with air.
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8 Exposure controls / personal protection

- Engineering measures : Ensure good ventilation of the work station.
 - Control parameters
 - Occupational exposure limits
 - Limits (France) : Acetic acid : VLE: 25 mg/m³ (10 ppm).
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- Limits (U.S.A./A.C.G.I.H.)	:	Acetic acid : TLV (TWA) : 25 mg/m ³ (10 ppm). TLV (STEL) : 37 mg/m ³ (15 ppm).
Surveillance procedures	:	Measure the concentration in the atmosphere.
Personal protective equipment	:	
- Respiratory protection	:	In the event of insufficient ventilation: Respiratory protective device with a gas filter.
- Hand protection	:	Protective gloves made of rubber.
- Eye protection	:	Safety spectacles.
- Skin and body protection	:	Protective clothing with elasticated cuffs and closed neck.
Collective emergency equipment	:	Eye fountain.

9 Physical and chemical properties

APPEARANCE

- Physical state	:	Thixotropic paste.
- Colour	:	creamy white.
Odour	:	of vinegar.
pH	:	Not applicable (insoluble product) [*]
Specific temperatures	:	
Decomposition temperature	:	> 200°C.
Flammability characteristics	:	
- Flash point	:	> 150 ° C (Closed cup, according to method Afnor T 60103).
Oxidizing properties	:	Non oxidizing material according to EC criteria.
Specific gravity	:	Approx. 1140 kg/m ³ at 25°C.
Solubility	:	
- in water	:	Practically insoluble.
- in organic solvents	:	Insoluble in: - acetone - alcohol (ethanol) Dispersible (partial solubilisation) in: - petrol. - white-spirit. - aromatic hydrocarbons (toluene, xylene). - chlorinated solvents.

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10 Stability and reactivity

- Stability : Stable at room temperature provided it is not on contact with air. Vulcanises at room temperature on contact with moisture in the air.
- Hazardous reactions
- Conditions to avoid : No dangerous reactions known under normal conditions of use. See technical data sheet.
 - Hazardous decomposition products : During vulcanisation, acetic acid is released. On combustion forms: (Carbon oxides (CO + CO₂)). (Silica).

11 Toxicological information

- Acute toxicity : **【*】**
Not classified as harmful by inhalation
Not classified as harmful by contact with skin
Not classified as harmful if swallowed
(by calculation according to the conventional method)
(internal evaluation)
- Local effects : At high concentrations: May be irritating to the respiratory system. (vapours) **【*】**
Repeated or prolonged contact may cause slight irritation to the skin.
May cause slight temporary irritation to ocular mucous membranes.
Not classified as irritating to skin and eyes
(by calculation according to the conventional method)
(internal evaluation) **【*】**
- Sensitisation : **【*】**
Not classified as sensitising by skin contact
(by calculation according to the conventional method)
(internal evaluation)
- Specific effects
- Mutagenicity : Data available only for some components **【*】**
No genotoxic potential was observed in tests performed on the components of the preparation. **【*】**

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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 : According to the data on the components : [*]
Not biodegradable.
(internal evaluation) [*]

BIOACCUMULATION

Octanol/water partition coefficient : [*]
According to the data on the components : Not potentially
bioaccumulable.
(internal evaluation)

ECOTOXICITY

Effects on the aquatic environment : [*]
According to the data on the components : NOT considered to be
: Harmful to aquatic organisms.
(internal evaluation)

Further information : Not classified as Dangerous for the Environment, according to
EC criteria. [*]
(by calculation according to the conventional method) [*]

13 Disposal considerations

RESIDUES FROM PRODUCT

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

CONTAMINATED PACKAGING

Decontamination/cleaning : Separate the different packaging components and treat them
separately:

Destruction/Disposal : Incinerate plastic packaging at a licensed installation.
Entrust the uncontaminated packaging to a licensed waste
contractor.
Following decontamination, re-use or recycle metal packaging.
Disposable containers:
Incinerate at a licensed installation.

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.
Marine pollutant: NO.

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

EC regulations : Mandatory labelling of preparations not classified as hazardous : **APPLICABLE [*]**

- Identification of the hazardous product : Not applicable. [*]

- R phrases : No R phrases. [*]

- S phrases : No S phrases. [*]

- Additional phrases : Safety Data Sheet available on request for professional users [*]

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.

16 Other information

Uses

- Prohibited uses : This product is only intended for industrial use.

Registration numbers :

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The polymers are not listed in the EINECS inventory.
The monomers corresponding to the polymer are registered in the EINECS inventory.
All the other constituents of this preparation are registered in the EINECS inventory.
All the components of this preparation are registered in the TSCA inventory.
Registered in the Canadian inventory (CEPA DSL).
Registered in the Chinese inventory
Registered in the Korean inventory.
Registered in the Philippine inventory (PICCS)

R Phrases of § 2 & 3

: R 14: Reacts violently with water.
R 22: Harmful if swallowed. [*]
R 34: Causes burns.

* 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 (*).

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.