

SAFETY DATA SHEET

RHODORSIL RTV 3428 A

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Date: 07/03/2002

Version: 1

Replaces and cancels version:

1 Product and company identification.

PRODUCT NAME : RHODORSIL RTV 3428 A
Use : Moulding diverse objects.
(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.

2 Composition / information on ingredients

>> PREPARATION

Chemical nature : Blend based on polymethylvinyl and polymethylhydrogenosiloxanes + silica.
Components contributing to the hazard : None.
Components presenting hazards : Polymethylhydrogenosiloxanes.

3 Hazards identification

MOST IMPORTANT HAZARDS

Adverse human health effects : Slightly irritating to eyes.
Environmental effects : Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.

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Physical and chemical hazards

- Fire or explosion

: Combustible.
During storage flammable gas may be released. Flammable or explosive vapour/air mixtures may be formed.

- Further hazards

: Silicon-hydrogene bond(Si-H) :
Violent reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10: "Stability-Reactivity").

Classification/Specific hazards

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

4 First-aid measures

Inhalation

: Not specifically applicable.

Skin contact

: Wipe off as much as possible (using a clean, soft, absorbent material).
Wash immediately with plenty of 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.
Carbon dioxide (CO₂).

- Not suitable

: Strong water jet.
Alkaline powders.

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.
Remove all incompatible materials as quickly as possible:
 - alkalis and caustic products.Remove all sources of ignition.

Environmental precautions

- : Do NOT discharge into drains (explosive hazard).

Methods for cleaning up

- Recovery

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

- Neutralization

- : Absorb residues with:
 - dry sand or dry inert absorbent.Do NOT use products which are basic.

- Cleaning/Decontamination

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

- Disposal

- : Incinerate contaminated materials at an authorized installation.
-

7 Handling and storage

HANDLING

Technical measures

- : Ventilation.

Measures

- : Work in a well-ventilated area.

Safe handling advice

- : Do not mix with incompatible materials (See list section 10).
Comply with instructions for use (refer to technical sheet).

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 facilities should be:
equipped with ventilation at high level.

Storage conditions

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- Recommended	:	Store: <ul style="list-style-type: none">- only in the original container (with a breathing bung).- in a well-ventilated area.- the container tightly closed.- away from any source of ignition.- away from incompatible materials.
Incompatible products	:	Strong oxidizing agents. Alkalis and caustic products. Refer to the detailed list of incompatible materials (section 10 "Stability/Reactivity").
Packaging	:	<ul style="list-style-type: none">- Steel drums varnished with epikote. (with a breathing bung).- Polypropylene buckets/boxes (outer packaging = cardboard).
Packaging materials	:	
- Recommended	:	Coated steels. Plastic materials (polyethylene, polypropylene).

8 Exposure controls / personal protection

Personal protective equipment

- Eye protection	:	Safety spectacles.
Collective emergency equipment	:	Eye fountain.

9 Physical and chemical properties

APPEARANCE

- Physical state	:	Liquid.
- Form	:	viscous.
- Colour	:	colourless. translucent.
Odour	:	very slight.
pH	:	Not applicable
Specific temperatures	:	
Decomposition temperature	:	> 200°C.
Flammability characteristics	:	
- Flash point	:	> 200 ° C (Closed cup, according to method AFNOR T60103).
- Auto-ignition temperature	:	Hydrogen: 400°C (Spontaneous ignition temperature).
Oxidizing properties	:	Non oxidizing material according to EEC criteria.

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Explosion properties

Explosive limits in air : Applicable.
- Lower : Hydrogen: 4% (volume).
- Upper : Hydrogen: 74% (volume).
Specific gravity : Approx. 1120 kg/m³ at 25°C.

Solubility

- in water : Practically insoluble.
- in organic solvents : Very slightly soluble in:
- acetone
- alcohol (ethanol)
Dispersible (partial solubilisation) in:
- diethylether
- Aliphatic hydrocarbons.
- aromatic hydrocarbons (toluene, xylene).
- chlorinated solvents.

Dynamic viscosity : approx. 25 Pa.s , at 25 °C.

10 Stability and reactivity.

Stability : Stable at room temperature.

Hazardous reactions

- Materials to avoid : Reacts with:
- strong oxidizing agents.
A fire or explosion hazard arises since highly flammable gas (hydrogen) is released when it is in contact with :
- alkalis and caustic products.
- chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.
(Quantity of hydrogen potentially released: 3 l/kg of product).

- Hazardous decomposition products : On storage, may release a highly flammable gas (Hydrogen) which gives rise to fire and explosion hazards.
On combustion forms:
(Carbon oxides (CO + CO₂)).
(Silica).

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11 Toxicological information

Acute toxicity

: LD 50 skin (Rat): >2000 mg/kg.
LD 50 oral (Rat) : > 2000 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

Precipitation

: Slightly soluble product, readily forms deposits.

Expected behaviour of the product

: Ultimate destination of the product : SOIL and SEDIMENT.

BIODEGRADABILITY

- Ultimate aerobic biodegradability

: Not biodegradable.

BIOACCUMULATION

Bioconcentration factor.

: Not bioaccumulable.

ECOTOXICITY

Effects on the aquatic environment

: No specific information available, however, by analogy, this product is not considered to present any particular risk to the aquatic environment.

13 Disposal considerations

WASTE FROM RESIDUES

Prohibition

: Do NOT discharge waste into drains.

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 and incinerate the cleaning solvent and dispose of at a licensed site.

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Destruction/Disposal : Entrust the thoroughly decontaminated packaging to a licensed waste-contractor.
Entrust the cardboard packaging to a licensed waste-contractor.

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) : Transport by air is FORBIDDEN if the packaging has a breathing/venting bung.

OTHER REGULATIONS

- France: Rail/road (RID/ADR) : 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 preparations:
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

- R Phrases of § 2
- European inventory (EINECS, ELINCS)
- : No R phrases.
- : These polymers are not concerned by the EINECS inventory. The corresponding monomers are registered in the EINECS inventory.
- All the other constituents of this preparation are registered in the EINECS 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.