

SAFETY DATA SHEET

RHODORSIL RTV 3428 A

Page: 1 / 8

Date: 08/03/2006

Version: 2

Cancels and replaces version: 1.00

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 : 190, 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 based on polymethylvinyl and
polymethylhydrogenosiloxanes + silica.
Components contributing to the hazard : None.
Components presenting hazards : none.
>>Further information : Silicium-hydrogene bond(Si-H)

3 Hazards identification

MOST IMPORTANT HAZARDS

Adverse human health effects : The product does not present any particular risk.
Physical and chemical hazards
- Fire or explosion : Combustible.

SAFETY DATA SHEET

RHODORSIL RTV 3428 A

Page: 2/8

Date: 08/03/2006

Version: 2

Cancels and replaces version: 1.00

- Further hazards	:	During storage flammable gas may be released. Flammable or explosive vapour/air mixtures may be formed.
Specific hazards	:	Silicium-hydrogene bond(Si-H) : Violent reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10: "Stability-Reactivity"). According to EC criteria, this product is not classified as a "hazardous preparation".

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.

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.

SAFETY DATA SHEET

RHODORSIL RTV 3428 A

Page: 3/8

Date: 08/03/2006

Version: 2

Cancels and replaces version: 1.00

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

SAFETY DATA SHEET

RHODORSIL RTV 3428 A

Page: 4/8

Date: 08/03/2006

Version: 2

Cancels and replaces version: 1.00

- 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	:	- 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

- Hand protection	:	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.
- 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	:	Liquid.
- Form	:	viscous.
- Colour	:	colourless. translucent.
Odour	:	very slight.
pH	:	Not applicable
Specific temperatures	:	
Decomposition temperature	:	> 200°C.
Flammability characteristics	:	

SAFETY DATA SHEET

RHODORSIL RTV 3428 A

Page: 5/8

Date: 08/03/2006

Version: 2

Cancels and replaces version: 1.00

- 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 EC criteria.
Explosion properties	:	
Explosive limits in air	:	Applicable.
- Lower	:	Hydrogen: 4% (volume).
- Upper	:	Hydrogen: 74% (volume).
Specific gravity	:	Approx. 1120 kg/m ³ 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 + CO ₂)). amorphous silica

SAFETY DATA SHEET

RHODORSIL RTV 3428 A

Page: 6/8

Date: 08/03/2006

Version: 2

Cancels and replaces version: 1.00

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	:	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. [*]

12 Ecological information

MOBILITY

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

BIODEGRADABILITY

- Ultimate aerobic biodegradability : Silicone component :Not biodegradable.
Inorganic part :Not biodegradable.
(Published data). [*]

BIOACCUMULATION

Bioconcentration factor. : Silicone component :Not bioaccumulable.
Inorganic part : Not bioaccumulable.
(Published data). [*]

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) [*]

SAFETY DATA SHEET

RHODORSIL RTV 3428 A

Page: 7/8

Date: 08/03/2006

Version: 2

Cancels and replaces version: 1.00

13 Disposal considerations

RESIDUES FROM PRODUCT

- 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.
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.

- 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 (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.
-

SAFETY DATA SHEET

RHODORSIL RTV 3428 A

Page: 8/8

Date: 08/03/2006

Version: 2

Cancels and replaces version: 1.00

16 Other information

- Registration numbers : 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. **[*]**
- R Phrases of § 2 & 3 : No R phrases.
- * Update : 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.