

SAFETY DATA SHEET

According to article 31 and Annex II of the EU REACH Regulation

Version: 2.0

Revision Date: 11.07.2011

Superseded date: 21.09.2009

DOW CORNING(R) PR-1200 RTV PRIME COAT RED**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY**

- 1.1 Product name** : DOW CORNING(R) PR-1200 RTV PRIME COAT RED
- 1.2 Identified uses** : Adhesive, binding agents
- Uses advised against** : None known.
- 1.3 Company** : Dow Corning Europe S.A.
rue Jules Bordet - Parc Industriel - Zone C
B-7180 Seneffe
Belgium
- E-mail address (Safety Data Sheet)** : sdseu@dowcorning.com
- Customer Service** : English Tel: +49 611237507
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- 1.4 Emergency Phone Number** : Dow Corning (Barry U.K. 24h) Tel: +44 1446732350
Dow Corning (Wiesbaden 24h) Tel: +49 61122158
Dow Corning (Seneffe 24h) Tel: +32 64 888240

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

According to EU Directives 67/548/EEC or 1999/45/EC:

R11 Highly flammable.

R65 Harmful: May cause lung damage if swallowed.

2.2 Label elements**Labelling according to EEC Directive**

- Contains** : Solvent naphtha (petroleum), light aliph.
- Symbols** : F Highly flammable.
Xn Harmful.
- R-phrases** : R11 Highly flammable.
R65 Harmful: May cause lung damage if swallowed.
- S-phrases** : S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - no smoking.
S23(S) Do not breathe spray.

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S24/25 Avoid contact with skin and eyes.

S33 Take precautionary measures against static discharges.

S60 This material and its container must be disposed of as hazardous waste.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

2.3 Other hazards

Vapours may form explosive mixtures with air.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Mixture of inorganic and organic compounds**According to EU Directives 67/548/EEC or 1999/45/EC:**

Name	CAS-No.	EINECS/ ELINCS No.	REACH Registration Number	Conc. (% w/w)	Classification
Solvent naphtha (petroleum), light aliph.	64742-89-8	265-192-2	-	85.0	Xn F R65 R11
Tetrakis(2-butoxyethyl) orthosilicate	18765-38-3	242-560-0	-	5.0	Xi R38
Titanium tetrabutanolate	5593-70-4	227-006-8	-	4.9	Xi R10 R37/38 R41 R67

According to Regulation (EC) No. 1272/2008:

Name	CAS-No.	EINECS/ ELINCS No.	REACH Registration Number	Conc. (% w/w)	Classification
Solvent naphtha (petroleum), light aliph.	64742-89-8	265-192-2	-	85.0	Flammable liquid: Category 2 - H225 Aspiration hazard: Category 1 - H304
Tetrakis(2-butoxyethyl) orthosilicate	18765-38-3	242-560-0	-	5.0	Skin corrosion/irritation: Category 2 - H315
Titanium tetrabutanolate	5593-70-4	227-006-8	-	4.9	Flammable liquid: Category 3 - H226 Skin corrosion/irritation: Category 2 - H315 Serious eye damage/eye irritation: Category 1 - H318 Specific target organ toxicity - single exposure (Inhalation - vapour): Category 3 (respiratory tract irritation) - H335 Specific target organ toxicity - single exposure (Inhalation - vapour): Category 3 (narcotic effects) - H336

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

CLP classifications are based on all current available data including from known international organizations. These classifications are subject to revision as more information becomes available.

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DOW CORNING(R) PR-1200 RTV PRIME COAT RED**4. FIRST AID MEASURES****4.1 Description of First Aid Measures:**

- On contact with eyes** : Flush with water. If eye irritation persists, consult a specialist.
- On skin contact** : Flush with water. If skin irritation persists, get medical attention.
- If inhaled** : Remove to fresh air.
- On ingestion** : Do not induce vomiting. Obtain medical attention.

- 4.2 Most important symptoms/effects, acute and delayed** : Harmful: May cause lung damage if swallowed.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media** : On large fires use dry chemical, foam or water spray (fog). On small fires use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to cool fire exposed containers.
- Unsuitable extinguishing media** : None known.
- 5.2 Hazards during fire fighting** : Vapours are heavier than air and can travel along ground to remote ignition sources. Electrostatic charges may be generated during transfer of product from its container. Ensure that all equipment is electrically earthed. Vapours may form explosive mixtures with air.
- Hazardous Combustion Products** : Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Nitrogen products.
- 5.3 Special protective equipment/procedures** : A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** : A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Eliminate all possible sources of ignition.
- 6.2 Environmental precautions** : Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers. Do not empty into drains.
- 6.3 Methods and materials for containment and cleaning up** : Determine the need to evacuate or isolate the area according to your local emergency plan. Eliminate all possible sources of ignition. Very large spills should be contained by bunding, etc... procedures. Mop, wipe or soak up with absorbent material and place in a container with a lid. The spilled product produces an extremely slippery surface.

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7. HANDLING AND STORAGE

- 7.1 Advice on safe handling** : General ventilation is required. Local ventilation is recommended. Avoid skin and eye contact. Do not breathe vapour. Do not breathe spray or mist. Do not ingest. Do not empty into drains.
- 7.2 Advice on storage** : Store in a flameproof, well ventilated area. Electrostatic charges may be generated during transfer of product from its container. Ensure that all equipment is electrically earthed. Keep container tightly closed. Vapours may form explosive mixtures with air. Storage temperature: minimum 0 °C, maximum 32 °C
- 7.3 Specific uses** : Refer to technical data sheet available on request.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Name	CAS-No.	Exposure Limits
Solvent naphtha (petroleum), light aliph.	64742-89-8	10 mg/m ³ STEL Oil Mist,mineral 5 mg/m ³ TWA Oil Mist,mineral

8.2 Exposure controls

Engineering Controls : Ventilation : Refer to Section 7.1

Personal protection equipment

- Respiratory protection** : Suitable respiratory protection should be worn if the product is used in large quantities, confined spaces or in other circumstances where the OEL may be approached or exceeded. A suitable respirator must be worn if the product is used in any circumstances where an aerosol or mist may be generated, such as during spraying or similar activities. Depending on the working conditions, wear a respiratory mask with filter(s) AP or use a self-contained respirator. The choice of a filter type depends on the amount and type of chemical being handled in the workplace. Regarding filter characteristics, contact your respiratory protection supplier.
- Hand protection** : Chemical protective gloves should be worn: Polyvinyl alcohol(PVA). Nitrile rubber. Silver shield(TM). 4H(TM). Viton(TM). Regarding glove's breakthrough time,contact your chemical protective glove supplier.
- Eye/face protection** : Safety goggles should be worn.
- Skin protection** : Wear impervious overalls in circumstances where significant skin contact can occur.

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Hygiene measures	:	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
Additional information	:	These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding the use of silicones / organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these types of materials in consumer aerosol applications that has been developed by the silicone industry (www.SEHSC.com) or contact the Dow Corning customer service group.
<u>Environmental exposure controls</u>	:	Refer to section 6 and 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Liquid
Colour	:	Pink
Odour	:	Solvent odor.
Boiling point/range	:	> 100 °C
Flash point	:	13 °C (Tag Closed Cup)
Explosive properties	:	No Vapours may form explosive mixtures with air.
Specific Gravity	:	0.76
Viscosity	:	1 mm ² /s at 25°C.
Oxidizing properties	:	No

The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

10. STABILITY AND REACTIVITY

10.1 Reactivity	:	None known.
10.2 Stability	:	Stable under normal usage conditions.
10.3 Possibility of hazardous reactions	:	None known.
10.4 Conditions to avoid	:	Eliminate all possible sources of ignition.
10.5 Materials to avoid	:	Can react with strong oxidising agents.
10.6 Hazardous decomposition products	:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Nitrogen products.

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DOW CORNING(R) PR-1200 RTV PRIME COAT RED**11. TOXICOLOGICAL INFORMATION****Acute toxicity:**

- On contact with eyes** : Slightly irritating.
- On skin contact** : Slightly irritating.
- If inhaled** : Single exposure may cause transient drowsiness and dizziness.
- On ingestion** : May be fatal if swallowed and enters airways. May cause slight mucous membranes irritation.

Chronic toxicity:

- On skin contact** : Repeated or prolonged contact may cause defatting of the skin, leading to dermatitis. Can irritate on prolonged or repeated contact.
- If inhaled** : May cause dizziness, drowsiness, confusion, headaches, nausea, and at high concentrations, unconsciousness.
- On ingestion** : Repeated swallowing may cause gastrointestinal irritation and disturbance. Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung oedema or pneumonia.

Toxicokinetics, metabolism and distribution : No specific information is available.

¹ Based on product test data.

² Based on test data from similar products.

12. ECOLOGICAL INFORMATION**12.1 Ecotoxicity effects**

No adverse effects on aquatic organisms are predicted.

12.2 Persistence and degradability

The organic components contained in the product are biodegradable, however they are not classified as readily biodegradable. Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.

12.3 Bioaccumulation

Low potential to bioaccumulate.

12.4 Release to waters / Mobility in soil

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DOW CORNING(R) PR-1200 RTV PRIME COAT RED**Fate and effects in waste water treatment plants:**

No adverse effects on bacteria are predicted. The siloxanes in this product do not contribute to the BOD.

13. DISPOSAL CONSIDERATIONS

Product and packaging disposal : Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

14. TRANSPORT INFORMATION**Road / Rail (ADR/RID)**

UN No. : UN 1993

Proper Shipping Name : FLAMMABLE LIQUID, N.O.S.(Petroleum distillates / Tetrabutyl titanate)

Class : 3

Packing group : II

Labels : 3

Sea transport (IMDG)

UN No. : UN 1993

Proper Shipping Name : FLAMMABLE LIQUID, N.O.S.(Petroleum distillates / Tetrabutyl titanate)

Class : 3

Packing group : II

Emergency Schedule (EmS) : F-E
S-E

Labels : flammable liquid

Air transport (IATA)

UN No. : UN 1993

Proper Shipping Name : Flammable liquid, n.o.s.(Petroleum distillates / Tetrabutyl titanate)

Class : 3

Packing group : II

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DOW CORNING(R) PR-1200 RTV PRIME COAT RED**Labels** : Flammable Liquid**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Status**

- EINECS** : All ingredients listed, exempt or notified (ELINCS).
- TSCA** : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
- IECSC** : All ingredients listed or exempt.
- PICCS** : All ingredients listed, exempt or notified.
- DSL** : Consult your local Dow Corning office.
- AICS** : Consult your local Dow Corning office.
- KECL** : One or more ingredients are not listed or exempt or identified.

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DOW CORNING(R) PR-1200 RTV PRIME COAT RED**16. OTHER INFORMATION**

This product safety data sheet was prepared in compliance with article 31 and Annex II of the EU REACH Regulation as well as its relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the Dow Corning product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Dow Corning Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH Regulation.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. Dow Corning shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local Dow Corning supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary - even for the same product - between different countries, reflecting the different compliance requirements. Should you have any question, please refer to your local Dow Corning supplier.

Source of information: Internal data and publically available information

R10 Flammable., **R11** Highly flammable., **R37/38** Irritating to respiratory system and skin., **R38** Irritating to skin., **R41** Risk of serious damage to eyes., **R65** Harmful: May cause lung damage if swallowed., **R67** Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour., **H226** Flammable liquid and vapour., **H304** May be fatal if swallowed and enters airways., **H315** Causes skin irritation., **H318** Causes serious eye damage., **H335** May cause respiratory irritation., **H336** May cause drowsiness or dizziness.