

PRODUCT SAFETY DATA SHEET

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

Version: 4.1

Revision Date: 19.06.2007

DOW CORNING(R) 1200 OS PRIMER CLEAR**1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY**

Trade name	:	DOW CORNING(R) 1200 OS PRIMER CLEAR		
Company	:	Dow Corning S.A. rue Jules Bordet - Parc Industriel - Zone C B-7180 Seneffe Belgium		
Service	:	Dow Corning Central Europe	Tel: +49 6112371	
		Dow Corning Northern Europe	Fax: +49 611237609	
		Dow Corning Southern Europe	Tel: +44 1676528000	
			Fax: +44 1676528001	
			Tel: +33 472841360	
			Fax: +33 472841379	
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	
E-mail address (Safety Data Sheet)	:	sdseu@dowcorning.com		
Use of the substance/preparation	:	Adhesive, binding agents		

2. HAZARDS IDENTIFICATION**The principal hazards of the product as supplied are:**

Flammable.
Irritating to eyes.
May cause long-term adverse effects in the aquatic environment.

Vapours may form explosive mixtures with air.

3. COMPOSITION / INFORMATION ON INGREDIENTS**Chemical characterization:** Mixture of inorganic and organic compounds**Hazardous Ingredients:**

Name	CAS-No.	EINECS/ ELINCS No.	Conc. (% w/w)	Classification
Octamethyltrisiloxane	107-51-7	203-497-4	85.0	R10 R53
Tetrapropyl orthosilicate	682-01-9	211-659-0	5.0	Xi R36/38
Tetrakis(2-butoxyethyl) orthosilicate	18765-38-3	242-560-0	5.0	Xi R38
Titanium tetrabutanolat	5593-70-4	227-006-8	5.0	Xi R38 R41

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4. FIRST AID MEASURES

- On contact with eyes** : Immediately flush with water. If eye irritation persists, consult a specialist.
- On skin contact** : Flush with water.
- If inhaled** : Remove to fresh air.
- On ingestion** : No first aid should be needed.

5. FIRE FIGHTING MEASURES

- Suitable extinguishing media** : On large fires use AFFF alcohol compatible foam or water spray (fog). On small fires use AFFF alcohol compatible foam, CO₂ or water spray (fog). Water can be used to cool fire exposed containers.
- Unsuitable extinguishing media** : None known.
- Hazards during fire fighting** : Fire burns more vigorously than would be expected. 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.
- Special protective equipment/procedures** : A self-contained respirator and protective clothing should be worn. Keep containers cool with water spray until well after the fire is out. Determine the need to evacuate or isolate the area according to your local emergency plan.
- 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.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear proper protective equipment.
- Precautions to protect the environment** : Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers. Do not empty into drains.
- Methods for 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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- Advice on safe handling** : General ventilation is required. Local ventilation is recommended. Avoid skin and eye contact. Do not breathe vapour.
- 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.
- Specific uses** : Refer to technical data sheet available on request.
- Unsuitable packaging materials** : None known.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls : Ventilation : Refer to Section 7

Exposure controls for hazardous components

Name	CAS-No.	Exposure Limits
Octamethyltrisiloxane	107-51-7	200 ppm (8h TWA) Dow Corning recommendation.

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 filtering half mask is recommended.
Recommended Filter type: A
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: 4H(TM). Silver shield(TM). Viton(TM). Regarding glove's breakthrough time...,contact your chemical protective glove supplier.
- Eye protection** : Face shield or safety goggles.
- Skin protection** : Wear impervious overalls in circumstances where significant skin contact can occur.
- Hygiene measures** : Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
- Environmental exposure controls** : Refer to section 6 and 12.

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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.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form: Liquid **Colour:** Colorless **Odour:** Slight

Important health, safety and environmental information

Boiling point/range : > 100 °C
Flash point : 27 °C (Closed Cup)
Explosive properties : No
Vapours may form explosive mixtures with air.
Specific Gravity : 0.82
Viscosity : 1 cSt 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

Stability : Stable under normal usage conditions.
Conditions to avoid : None established.
Materials to avoid : Can react with strong oxidising agents.
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.

11. TOXICOLOGICAL INFORMATION

On contact with eyes : Irritating.
On skin contact : Can irritate on prolonged or repeated contact.
If inhaled : No adverse effects are normally expected.

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On ingestion : Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort.

¹ Based on product test data.

² Based on test data from similar products.

12. ECOLOGICAL INFORMATION**Environmental fate and distribution**

Low molecular weight volatile siloxanes have very low water solubility and evaporate to air. Low molecular weight volatile siloxanes in air are degraded by reaction with hydroxyl radicals, which is the dominant degradation process for most chemicals in the atmosphere. Low molecular weight volatile siloxanes in soil are removed by several simultaneously occurring processes including volatilisation, hydrolysis, and clay-catalysed degradation.

Ecotoxicity effects

No acute fish toxicity (96 h) is predicted. May cause long-term adverse effects in the aquatic environment.

Bioaccumulation : Low molecular weight volatile siloxanes bioconcentrate in fish exposed under controlled laboratory conditions that are not representative of conditions found in the environment.

Fate and effects in waste water treatment plants

No adverse effects on bacteria. The siloxanes in this product do not contribute to the BOD. Low molecular weight volatile siloxanes are efficiently removed (>90%) during wastewater treatment with approximately equal amounts going to the atmosphere and the sludge. Low molecular weight volatile siloxanes in treated wastewater effluent will be bound to particulate matter because of very low water solubility.

Additional environmental information

Additional environmental information on the silicone component is available on request.

13. DISPOSAL CONSIDERATIONS

Product 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.

Packaging disposal : Dispose of in accordance with local regulations. 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.(Octamethyltrisiloxane)

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Class	:	3
Packing group	:	III
Labels	:	3
<u>Sea transport (IMDG)</u>		
UN No.	:	UN 1993
Proper Shipping Name	:	FLAMMABLE LIQUID, N.O.S.(Octamethyltrisiloxane)
Class	:	3
Packing group	:	III
Emergency Schedule (EmS)	:	F-E S-E
Labels	:	flammable liquid
<u>Air transport (IATA)</u>		
UN No.	:	UN 1993
Proper Shipping Name	:	Flammable liquid, n.o.s.(Octamethyltrisiloxane)
Class	:	3
Packing group	:	III
Labels	:	Flammable Liquid

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DOW CORNING(R) 1200 OS PRIMER CLEAR**15. REGULATORY INFORMATION****Labelling according to EEC Directive**

- Symbols** : Xi Irritant.
- R-phrases** : R10 Flammable.
R36 Irritating to eyes.
R53 May cause long-term adverse effects in the aquatic environment.
- S-phrases** : S2 Keep out of the reach of children.
S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S51 Use only in well-ventilated areas.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

National legislation / regulations

- Ozone depleting chemicals** : No ozone depleting chemicals are present or used in manufacture.

Status

- EINECS** : All ingredients listed or exempt.
- TSCA** : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

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DOW CORNING(R) 1200 OS PRIMER CLEAR**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.

R10 Flammable., **R36/38** Irritating to eyes and skin., **R38** Irritating to skin., **R41** Risk of serious damage to eyes., **R53** May cause long-term adverse effects in the aquatic environment.