

PRODUCT SAFETY DATA SHEET

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

Version: 1.11

Revision Date: 02.07.2007

DOW CORNING(R) 3-1953 CONFORMAL COATING**1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY**

Trade name	:	DOW CORNING(R) 3-1953 CONFORMAL COATING		
Company	:	Dow Corning S.A. rue Jules Bordet - Parc Industriel - Zone C B-7180 Seneffe Belgium		
Service	:	Dow Corning Central Europe	Tel: +49 6112371	
			Fax: +49 611237609	
		Dow Corning Northern Europe	Tel: +44 1676528000	
			Fax: +44 1676528001	
		Dow Corning Southern Europe	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	:	Coatings Corrosion inhibitors Electrical and electronic applications		

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

Flammable.

Vapours may form explosive mixtures with air.

3. COMPOSITION / INFORMATION ON INGREDIENTS**Chemical characterization:** Silicone elastomer**Hazardous Ingredients:**

Name	CAS-No.	EINECS/ ELINCS No.	Conc. (% w/w)	Classification	
Trimethoxy(methyl)silane	1185-55-3	214-685-0	3.1	F Xn	R11 R22
Diisopropoxytitanium bis(ethylacetoacetate)	27858-32-8	248-697-2	2.0	Xi Xi	R10 R38 R41
Methoxy and aminofunctional silane	-	Exempt or not available	1.5	Xn Xi	R22 R36

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Methanol	67-56-1	200-659-6	0.13	F T	R11 R39/23/24/25 R23/24/25
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4. FIRST AID MEASURES

- On contact with eyes** : Flush with water.
- On skin contact** : No first aid should be needed.
- If inhaled** : Remove to fresh air.
- On ingestion** : No first aid should be needed.

5. FIRE FIGHTING MEASURES

- Suitable extinguishing media** : Carbon dioxide, foam, dry powder or fine water spray. Water can be used to cool fire exposed containers.
- Unsuitable extinguishing media** : None known.
- Hazards during fire fighting** : 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. Nitrogen products.

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.
- 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 recommended. Local ventilation is recommended. Avoid eye contact. Do not breathe spray or mist.
- 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
Trimethoxy(methyl)silane	1185-55-3	200 ppm TWA, 250 ppm STEL as methanol
Methanol	67-56-1	250 ppm STEL 200 ppm TWA 333 mg/m ³ STEL 266 mg/m ³ TWA

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.
A filtering half mask is recommended.
Recommended Filter type: AXP
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** : Gloves are not normally required.
- Eye protection** : Safety goggles should be worn.
- Skin protection** : Protective equipment is not normally necessary.

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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.
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 PROPERTIESAppearance

Form: Liquid **Colour:** Straw **Odour:** Very little

Important health, safety and environmental information

Boiling point/range	:	64.7 °C
Flash point	:	35 °C (Seta Closed Cup)
Explosive properties	:	No Vapours may form explosive mixtures with air.
Specific Gravity	:	0.97
Viscosity	:	400 mPa 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

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. Nitrogen products.

11. TOXICOLOGICAL INFORMATION

On contact with eyes : Slightly irritating.

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DOW CORNING(R) 3-1953 CONFORMAL COATING**On skin contact** : No adverse effects are normally expected.**If inhaled** : No adverse effects are normally expected.**On ingestion** : No adverse effects are normally expected.¹ Based on product test data.² Based on test data from similar products.**12. ECOLOGICAL INFORMATION****Environmental fate and distribution**

Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.

Ecotoxicity effects

No adverse effects on aquatic organisms.

Bioaccumulation : No bioaccumulation potential.**Fate and effects in waste water treatment plants**

Removed > 90% by binding onto sewage sludge. No adverse effects on bacteria. The siloxanes in this product do not contribute to the BOD.

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.(Methyltrimethoxysilane / Organotitanate)**Class** : 3

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Packing group	:	III
Labels	:	3
<u>Sea transport (IMDG)</u>		
UN No.	:	UN 1993
Proper Shipping Name	:	FLAMMABLE LIQUID, N.O.S.(Methyltrimethoxysilane / Organotitanate)
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.(Methyltrimethoxysilane / Organotitanate)
Class	:	3
Packing group	:	III
Labels	:	Flammable Liquid

15. REGULATORY INFORMATION**Labelling according to EEC Directive**

R-phrases	:	R10 Flammable.
S-phrases	:	S23(S) Do not breathe spray. S25 Avoid contact with eyes. S51 Use only in well-ventilated areas.

National legislation / regulations

Ozone depleting chemicals	:	No ozone depleting chemicals are present or used in manufacture.
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DOW CORNING(R) 3-1953 CONFORMAL COATING**Status**

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

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., **R11** Highly flammable., **R22** Harmful if swallowed., **R23/24/25** Toxic by inhalation, in contact with skin and if swallowed., **R36** Irritating to eyes., **R38** Irritating to skin., **R39/23/24/25** Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed., **R41** Risk of serious damage to eyes.