

DOW CORNING(R) 3145 RTV MIL-A-46146 ADHESIVE/SEALANT-CLEAR**1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY**

Trade name	:	DOW CORNING(R) 3145 RTV MIL-A-46146 ADHESIVE/SEALANT-CLEAR		
Company	:	Dow Corning S.A. rue Jules Bordet - Parc Industriel - Zone C B-7180 Seneffe Belgium		
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Use of the substance/preparation	:	Electrical and electronic applications Adhesive, binding agents		

2. 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	7.0	F Xn	R11 R22
Methanol	67-56-1	200-659-6	0.1	F T	R11 R39/23/24/25 R23/24/25

3. HAZARDS IDENTIFICATION

Not hazardous according to Council Directive 1999/45/EC and its subsequent amendments.

4. FIRST AID MEASURES

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

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- 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** : None known.
- 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** : 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** : Do not allow large quantities to enter drains or surface waters.
- Methods for cleaning up** : Scrape up and place in a container fitted with a lid. The spilled product produces an extremely slippery surface.

7. HANDLING AND STORAGE

- Advice on safe handling** : General ventilation is recommended. Local ventilation is recommended. Avoid eye contact. Do not breathe vapour.
- Advice on storage** : Do not store with oxidizing agents. Keep container closed and store away from water or moisture.
- 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
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DOW CORNING(R) 3145 RTV MIL-A-46146 ADHESIVE/SEALANT-CLEAR

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/m³ STEL
266 mg/m³ 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 full-face mask is recommended.
Recommended Filter type: AX
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 glasses should be worn.
- Skin protection** : Protective equipment is not normally necessary.
- 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.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form: Paste **Colour:** Translucent white **Odour:** Slight

Important health, safety and environmental information

Explosive properties : No

Specific Gravity : 1.12

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

DOW CORNING(R) 3145 RTV MIL-A-46146 ADHESIVE/SEALANT-CLEAR

Stability	:	Stable under normal usage conditions.
Conditions to avoid	:	None established.
Materials to avoid	:	Cures in the presence of water or moisture, releasing a small amount of methanol.
Hazardous decomposition products	:	See section 11. If this product is heated to > 150 degrees C, trace quantities of formaldehyde may be released, and adequate ventilation is required.

11. TOXICOLOGICAL INFORMATION

On contact with eyes	:	May cause temporary discomfort.
On skin contact	:	No adverse effects are normally expected.
If inhaled	:	Vapours evolved during curing may cause dizziness.
On ingestion	:	Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort.
Other Health Hazard Information	:	Product may emit formaldehyde vapour at temperatures above 150°C in the presence of air. Formaldehyde vapour is a suspected carcinogen, toxic by inhalation and irritating to eyes and the respiratory system. Exposure limits should be strictly respected. This product contains (a) powder(s) hazardous by inhalation. This is not relevant to the current physical form of the product, which is not in a respirable form.

¹ Based on product test data.

² Based on test data from similar products.

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

Solid material, insoluble in water. No adverse effects are predicted.

Ecotoxicity effects

No adverse effects on aquatic organisms are predicted.

Bioaccumulation : No bioaccumulation potential.

Fate and effects in waste water treatment plants

No adverse effects on bacteria are predicted.

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

DOW CORNING(R) 3145 RTV MIL-A-46146 ADHESIVE/SEALANT-CLEAR

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)**

Not subject to ADR/RID.

Sea transport (IMDG)

Not subject to IMDG code.

Air transport (IATA)

Not subject to IATA regulations.

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

S-phrases : S51 Use only in well-ventilated areas.

National legislation / regulations

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

Status

TSCA : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EINECS : All ingredients listed or exempt.

DOW CORNING(R) 3145 RTV MIL-A-46146 ADHESIVE/SEALANT-CLEAR**16. OTHER INFORMATION**

This product safety data sheet was prepared in compliance with Commission Directive 91/155/EEC, 67/548/EEC and 1999/45/EC as well as their 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 Commission Directive 1999/45/EC.

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.

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