

DOW CORNING(R) 794 PLASTICS AND GLASS SILICONE CLEAR

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Trade name	:	DOW CORNING(R) 794 PLASTICS AND GLASS SILICONE CLEAR		
Company	:	Dow Corning S.A. Parc Industriel - Zone C B-7180 Seneffe Belgium		
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Silicone elastomer

Hazardous Ingredients:

Name	CAS-No.	EINECS/ ELINCS No.	Conc. (% w/w)	Classification	
Dimethyl siloxane (triethoxysilyl) ethyl-terminated	195158-82-8	Exempt or not available	61.0		
Trimethoxy(2-methylpropyl)silane	18395-30-7	242-272-5	2.0	Xn	R22
Metal alkoxide	-	Exempt or not available	<=2.0	Xi	R36/38
Trimethoxy(methyl)silane	1185-55-3	214-685-0	2.0	Xn	R22
Amino functional alkoxysilanes	474530-85-3	Exempt or not available	1.0	Xi	R36
Methanol	67-56-1	200-659-6	0.1	T	R39/23/24/25 R23/24/25

3. HAZARDS IDENTIFICATION

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

Some hydrogen gas may be released. Hydrogen is flammable and can form explosive mixtures with air.

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- 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.

5. FIRE FIGHTING MEASURES

- Suitable extinguishing media** : Carbon dioxide, foam or dry powder. 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. Applying foam will also release significant amounts of flammable hydrogen gas that can be trapped under the foam blanket.
- Hazardous Combustion Products** : Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Hydrogen.

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. Avoid skin and eye contact. Do not breathe vapour.
- Advice on storage** : Do not store with oxidizing agents. This product slowly evolves hydrogen on storage. Keep only in a vented container in a well ventilated area. Keep container closed and store away from water or moisture.
- Specific uses** : Refer to technical data sheet available on request.

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Unsuitable packaging materials : Do not store in or use glass containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls : Ventilation : Refer to Section 7

Exposure controls for hazardous components

Name	CAS-No.	Exposure Limits
Dimethyl siloxane (triethoxysilyl) ethyl-terminated	195158-82-8	1000 ppm TWA as ethanol.
Trimethoxy(methyl)silane	1185-55-3	200 ppm TWA, 250 ppm STEL as methanol
Amino functional alkoxy silanes	474530-85-3	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.

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 : None known.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

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

Other data

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Explosive properties	:	No Some hydrogen gas may be released. Hydrogen is flammable and can form explosive mixtures with air.
Specific Gravity	:	1.02
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	:	Hydrogen is liberated on contact with water, alcohols, acidic or basic materials, many metals or metallic compounds and can form explosive mixtures in air. Cures in the presence of water or moisture, releasing a small amount of methanol.
Hazardous decomposition products	:	See section 11.

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 vapours at temperatures above 150°C in the presence of air. Formaldehyde vapour is harmful by inhalation and irritating to eyes and respiratory system at breathing concentration less than one part per million (1 ppm). 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.

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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.

Packaging disposal : Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

Road / Rail (ADR/RID)

Not subject to ADR/RID.

Sea transport (IMDG)

Not subject to IMDG code.

Air transport (IATA)

NOT IATA REGULATED. (VENTED PACKAGES FORBIDDEN FOR AIR TRANSPORT)

15. REGULATORY INFORMATION

Labelling according to EEC Directive

S-phrases : S9 Keep container in a well-ventilated place.
S12 Do not keep the container sealed.
S16 Keep away from sources of ignition - No smoking.
S24 Avoid contact with skin.
S51 Use only in well-ventilated areas.

National legislation / regulations

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

Status

EINECS : All ingredients listed or exempt.

DOW CORNING(R) 794 PLASTICS AND GLASS SILICONE 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.

R22 Harmful if swallowed., **R23/24/25** Toxic by inhalation, in contact with skin and if swallowed., **R36** Irritating to eyes., **R36/38** Irritating to eyes and skin., **R39/23/24/25** Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.