

## SYL-OFF(R) 4000 CATALYST

## 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

<b>Trade name</b>	:	SYL-OFF(R) 4000 CATALYST	
<b>Company</b>	:	Dow Corning S.A. Parc Industriel - Zone C B-7180 Seneffe Belgium	
<b>Service</b>	:	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
<b>Emergency Phone Number</b>	:	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. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical characterization:** Organoplatinum compound

**Hazardous Ingredients:**

Name	CAS-No.	EINECS/ ELINCS No.	Conc. (% w/w)	Classification
Tetramethyldivinylsiloxane	2627-95-4	220-099-6	6.0	R53

## 3. HAZARDS IDENTIFICATION

**The principal hazards of the product as supplied are:**

Flammable.

## 4. FIRST AID MEASURES

<b>On contact with eyes</b>	:	No first aid should be needed.
<b>On skin contact</b>	:	No first aid should be needed.
<b>If inhaled</b>	:	Remove to fresh air.
<b>On ingestion</b>	:	No first aid should be needed.

## 5. FIRE FIGHTING MEASURES

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<b>Suitable extinguishing media</b>	:	Carbon dioxide, foam, dry powder or fine water spray. Water can be used to cool fire exposed containers.
<b>Unsuitable extinguishing media</b>	:	None known.
<b>Hazards during fire fighting</b>	:	Electrostatic charges may be generated during transfer of product from its container. Ensure that all equipment is electrically earthed.
<b>Special protective equipment/procedures</b>	:	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.
<b>Hazardous Combustion Products</b>	:	Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	:	Wear proper protective equipment.
<b>Precautions to protect the environment</b>	:	Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.
<b>Methods for cleaning up</b>	:	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.

## 7. HANDLING AND STORAGE

<b>Advice on safe handling</b>	:	Avoid eye contact. General ventilation is recommended. Do not breathe spray or mist.
<b>Advice on storage</b>	:	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.
<b>Specific uses</b>	:	Refer to technical data sheet available on request.
<b>Unsuitable packaging materials</b>	:	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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None of the components have assigned exposure limits.

**Personal protection equipment**

- Respiratory protection** : 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
- 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. For further information regarding the use of silicones in consumer aerosol applications, please refer to the guidance document regarding the use of silicone-based materials in consumer aerosol applications that has been developed by the silicone industry ([www.SEHSC.com](http://www.SEHSC.com)) or contact the Dow Corning customer service group.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

**Form:** Liquid                      **Colour:** Straw                      **Odour:** Slight

**Other data**

- Boiling point/range** : 65 °C
- Flash point** : 46 °C (Closed Cup)
- Explosive properties** : No
- Specific Gravity** : 0.96
- Viscosity** : 400 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.

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<b>Conditions to avoid</b>	:	None established.
<b>Materials to avoid</b>	:	Can react with strong oxidising agents.
<b>Hazardous decomposition products</b>	:	See section 11.

## 11. TOXICOLOGICAL INFORMATION

<b>On contact with eyes</b>	:	May cause temporary discomfort.
<b>On skin contact</b>	:	No adverse effects are normally expected.
<b>If inhaled</b>	:	May cause temporary discomfort.
<b>On ingestion</b>	:	No adverse effects are normally expected.
<b>Other Health Hazard Information</b>	:	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).

<sup>1</sup> Based on product test data.

<sup>2</sup> Based on test data from similar products.

<sup>3</sup> This information is based either on test data, extrapolation from tests on similar materials, review of component data, or a combination of these sources.

## 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.

## 13. DISPOSAL CONSIDERATIONS

<b>Product disposal</b>	:	Dispose of in accordance with local regulations.
<b>Packaging disposal</b>	:	Dispose of in accordance with local regulations.

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## 14. TRANSPORT INFORMATION

**Road / Rail (ADR/RID)**

**UN No.** : 1993

**Proper Shipping Name** : FLAMMABLE LIQUID, N.O.S. (SPECIAL PROVISION 640 E)  
(Contains TETRAMETHYLDIVINYLDISILOXANE)

**Class** : 3

**Packing group** : III

**Trem-Card** : 30GF1-III

**Labels** : ADR DANGER LABEL MODEL NO 3

**Sea transport (IMDG)**

**UN No.** : 1993

**Proper Shipping Name** : FLAMMABLE LIQUID, N.O.S.  
(Contains TETRAMETHYLDIVINYLDISILOXANE)

**Class** : 3

**Packing group** : III

**Medical First Aid Guide (MFAG)** : REFER TO THE EMERGENCY ACTION TABLE OF MFAG

**Emergency Schedule (EmS)** : 3-07

**Marine pollutant** : Not Applicable

**Labels** : FLAMMABLE LIQUID

**Air transport (IATA)**

**UN No.** : 1993

**Proper Shipping Name** : FLAMMABLE LIQUID, N.O.S.  
(Contains TETRAMETHYLDIVINYLDISILOXANE)

**Class** : 3

**Packing group** : III

**Labels** : FLAMMABLE LIQUID

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## 15. REGULATORY INFORMATION

Labelling according to EEC Directive

- R-phrases** : R10 Flammable.
- S-phrases** : S23(S) Do not breathe spray.  
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.
- TSCA** : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

## 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.

**R53** May cause long-term adverse effects in the aquatic environment.,