

## DOW CORNING(R) 1200 OS PRIMER CLEAR

Version 2.1      Revision Date: 27.06.2016      SDS Number: 643138-00008      Date of last issue: 11.03.2016  
Date of first issue: 17.10.2014

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : DOW CORNING(R) 1200 OS PRIMER CLEAR  
Product code : 000000000002736276

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-stance/Mixture : Adhesive, binding agents

#### 1.3 Details of the supplier of the safety data sheet

Company : Dow Corning Europe S.A.  
rue Jules Bordet - Parc Industriel - Zone C  
B-7180 Seneffe

Telephone : English Tel: +49 611237507  
Deutsch Tel: +49 611237500  
Français Tel: +32 64511149  
Italiano Tel: +32 64511170  
Español Tel: +32 64511163

E-mail address of person responsible for the SDS : sdseu@dowcorning.com

#### 1.4 Emergency telephone number

Dow Corning (Barry U.K. 24h) Tél: +44 1446732350  
Dow Corning (Wiesbaden 24h) Tél: +49 61122158  
Dow Corning (Seneffe 24h) Tel: +32 64 888240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3      H226: Flammable liquid and vapour.  
Serious eye damage, Category 1      H318: Causes serious eye damage.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

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Hazard statements : H226 Flammable liquid and vapour.  
H318 Causes serious eye damage.

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Hazardous components which must be listed on the label:  
Titanium tetrabutanolate

### 2.3 Other hazards

Static-accumulating flammable liquid.  
Vapours may form explosive mixture with air.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Inorganic and organic compounds  
Mixture

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Tetrakis(2-butoxyethyl) orthosilicate	18765-38-3 242-560-0	Skin Irrit. 2; H315	>= 5 - < 10
Titanium tetrabutanolate	5593-70-4 227-006-8	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336 STOT SE 3; H335	>= 3 - < 5
Substances with a workplace exposure limit :			
Octamethyltrisiloxane	107-51-7 203-497-4 01-2119970219-31	Flam. Liq. 3; H226	>= 70 - < 90

For explanation of abbreviations see section 16.

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice                            : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.
- Protection of first-aiders                : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
- If inhaled                                 : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.
- In case of skin contact                    : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes.  
Get medical attention.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- In case of eye contact                    : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
If easy to do, remove contact lens, if worn.  
Get medical attention immediately.
- If swallowed                              : If swallowed, DO NOT induce vomiting.  
Get medical attention if symptoms occur.  
Rinse mouth thoroughly with water.

#### 4.2 Most important symptoms and effects, both acute and delayed

- Risks                                        : Causes serious eye damage.

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment                                 : Treat symptomatically and supportively.
- 

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media            : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media         : High volume water jet

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### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.  
Flash back possible over considerable distance.  
Vapours may form explosive mixtures with air.  
Fire burns more vigorously than would be expected.  
Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Carbon oxides  
Silicon oxides  
Formaldehyde  
Metal oxides

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Remove all sources of ignition.  
Use personal protective equipment.  
Follow safe handling advice and personal protective equipment recommendations.

### 6.2 Environmental precautions

Environmental precautions : Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area (e.g. by containment or oil barriers).  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Non-sparking tools should be used.  
Soak up with inert absorbent material.  
Suppress (knock down) gases/vapours/mists with a water spray jet.  
For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.  
Clean up remaining materials from spill with suitable absor-

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bent.  
Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- |                         |   |   |
|-------------------------|---|---|
| Technical measures      | : | Ensure all equipment is electrically grounded before beginning transfer operations.<br>This material can accumulate static charge due to its inherent physical properties and can therefore cause an electrical ignition source to vapors. In order to prevent a fire hazard, as bonding and grounding may be insufficient to remove static electricity, it is necessary to provide an inert gas purge before beginning transfer operations.<br>Restrict flow velocity in order to reduce the accumulation of static electricity. |
| Local/Total ventilation | : | Use with local exhaust ventilation.<br>Use only in an area equipped with explosion proof exhaust ventilation.   |
| Advice on safe handling | : | Do not get on skin or clothing.<br>Avoid inhalation of vapour or mist.<br>Do not swallow.<br>Do not get in eyes.<br>Handle in accordance with good industrial hygiene and safety practice.<br>Non-sparking tools should be used.<br>Keep container tightly closed.<br>Keep away from water.<br>Protect from moisture.<br>Keep away from heat and sources of ignition.<br>Take precautionary measures against static discharges.<br>Take care to prevent spills, waste and minimize release to the environment.                    |
| Hygiene measures        | : | Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.  |

### 7.2 Conditions for safe storage, including any incompatibilities

- |                          |   |  |
|--------------------------|---|--|
| Requirements for storage | : | Keep in properly labelled containers. Keep tightly closed. |
|--------------------------|---|--|

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areas and containers      Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition.

Advice on common storage : Do not store with the following product types:  
Strong oxidizing agents  
Organic peroxides  
Flammable solids  
Pyrophoric liquids  
Pyrophoric solids  
Self-heating substances and mixtures  
Substances and mixtures, which in contact with water, emit flammable gases  
Explosives  
Gases

**7.3 Specific end use(s)**

Specific use(s) : 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 type of 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.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Octamethyltrisiloxane	107-51-7	TWA	200 ppm	DCC OEL

**Occupational exposure limits of decomposition products**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Propan-1-ol	71-23-8	STEL	250 ppm 625 mg/m3	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		TWA	200 ppm 500 mg/m3	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
2-Butoxyethanol	111-76-2	TWA	20 ppm 98 mg/m3	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			

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		STEL	50 ppm 246 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	25 ppm	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	50 ppm	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
Butan-1-ol	71-36-3	STEL	50 ppm 154 mg/m <sup>3</sup>	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

Substance name	End Use	Exposure routes	Potential health effects	Value	
Octamethyltrisiloxane	Workers	Inhalation	Long-term systemic effects	78 mg/m <sup>3</sup>	
			Acute systemic effects	78 mg/m <sup>3</sup>	
	Workers	Skin contact	Long-term systemic effects	1103 mg/kg bw/day	
			Acute systemic effects	1103 mg/kg bw/day	
	Consumers	Inhalation	Long-term systemic effects	19 mg/m <sup>3</sup>	
			Acute systemic effects	19 mg/m <sup>3</sup>	
		Skin contact	Long-term systemic effects	556.5 mg/kg bw/day	
			Acute systemic effects	556.5 mg/kg bw/day	
	Consumers	Ingestion	Long-term systemic effects	0.04 mg/kg bw/day	
			Acute systemic effects	0.04 mg/kg bw/day	
	Tetrapropyl orthosilicate	Workers	Inhalation	Long-term systemic effects	85 mg/m <sup>3</sup>
				Acute systemic effects	85 mg/m <sup>3</sup>
Workers		Skin contact	Long-term systemic effects	12 mg/kg bw/day	
			Acute systemic effects	12 mg/kg bw/day	
Consumers		Inhalation	Long-term systemic effects	21 mg/m <sup>3</sup>	
			Acute systemic effects	21 mg/m <sup>3</sup>	
Consumers		Skin contact	Long-term systemic effects	6 mg/kg bw/day	
			Acute systemic effects	6 mg/kg bw/day	

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	Consumers	Ingestion	Long-term systemic effects	6 mg/kg bw/day
	Consumers	Ingestion	Acute systemic effects	6 mg/kg bw/day
Organo Titanate	Workers	Inhalation	Long-term systemic effects	127 mg/m3
	Consumers	Ingestion	Long-term systemic effects	3.75 mg/kg bw/day
	Consumers	Skin contact	Long-term systemic effects	37.5 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	152 mg/m3

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:**

Substance name	Environmental Compartment	Value
Octamethyltrisiloxane	Fresh water sediment	1.326 mg/kg
	Marine sediment	0.133 mg/kg
	Soil	>= 0.44 mg/kg
	Sewage treatment plant	> 1 mg/l
Tetrapropyl orthosilicate	Fresh water	10 mg/l
	Marine water	1 mg/l
	Fresh water sediment	11 mg/kg
	Marine sediment	1.1 mg/kg
	Soil	3.9 mg/kg
	Sewage treatment plant	96 mg/l

**8.2 Exposure controls**

**Engineering measures**

Processing may form hazardous compounds (see section 10).  
Minimize workplace exposure concentrations.  
Use only in an area equipped with explosion proof exhaust ventilation.  
Use with local exhaust ventilation.

**Personal protective equipment**

Eye protection : Wear the following personal protective equipment:  
Chemical resistant goggles must be worn.  
If splashes are likely to occur, wear:  
Face-shield

Hand protection  
Material : Chemical-resistant gloves

Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Take note that the product is flammable, which may impact the selection of hand protection. Wash hands before breaks and at the end of workday.

Skin and body protection : Select appropriate protective clothing based on chemical re-



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sistance data and an assessment of the local exposure potential.

Wear the following personal protective equipment:

Flame retardant antistatic protective clothing.

Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Organic vapour type (A)

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: colourless
Odour	: slight
Odour Threshold	: No data available
pH	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: > 100 °C
Flash point	: 27 °C Method: closed cup
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: 0.82
Solubility(ies)	
Water solubility	: No data available
Partition coefficient: n-	: No data available

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octanol/water

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, kinematic : 1 mm<sup>2</sup>/s

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

### 9.2 Other information

Molecular weight : No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not classified as a reactivity hazard.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Flammable liquid and vapour.  
Vapours may form explosive mixture with air.  
Use at elevated temperatures may form highly hazardous compounds.  
Can react with strong oxidizing agents.  
Hazardous decomposition products will be formed upon contact with water or humid air.  
Hazardous decomposition products will be formed at elevated temperatures.

### 10.4 Conditions to avoid

Conditions to avoid : Exposure to moisture  
Handling operations that can promote accumulation of static charges.  
Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents  
Water

### 10.6 Hazardous decomposition products

Contact with water or humid air : Propan-1-ol  
2-Butoxyethanol

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Butan-1-ol  
Thermal decomposition : Formaldehyde

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Information on likely routes of exposure : Inhalation  
Skin contact  
Ingestion  
Eye contact

#### **Acute toxicity**

Not classified based on available information.

#### **Components:**

##### **Tetrakis(2-butoxyethyl) orthosilicate:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: Information taken from reference works and the literature.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: Information taken from reference works and the literature.

##### **Titanium tetrabutanolate:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Acute inhalation toxicity : LC50 (Rat): 11 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

##### **Octamethyltrisiloxane:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: Based on test data  
Acute inhalation toxicity : LC50 (Rat): > 2350 ppm  
Exposure time: 4 h  
Test atmosphere: vapour  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Based on test data  
Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

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Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: Based on test data

### **Skin corrosion/irritation**

Not classified based on available information.

#### **Components:**

##### **Tetrakis(2-butoxyethyl) orthosilicate:**

Species: Rabbit  
Result: Skin irritation  
Remarks: Based on test data

##### **Titanium tetrabutanolate:**

Result: Skin irritation

##### **Octamethyltrisiloxane:**

Species: Rabbit  
Result: No skin irritation  
Remarks: Based on test data

### **Serious eye damage/eye irritation**

Causes serious eye damage.

#### **Components:**

##### **Tetrakis(2-butoxyethyl) orthosilicate:**

Species: Rabbit  
Result: No eye irritation  
Remarks: Information taken from reference works and the literature.

##### **Titanium tetrabutanolate:**

Species: Rabbit  
Result: Irreversible effects on the eye

##### **Octamethyltrisiloxane:**

Result: No eye irritation  
Remarks: Based on data from similar materials

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

#### **Components:**

##### **Tetrakis(2-butoxyethyl) orthosilicate:**



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Symptoms: No effects on fertility  
Remarks: Based on test data

Test Type: Uterotrophic assay  
Species: Rat, female  
Application Route: inhalation (vapour)  
Result: negative  
Remarks: Based on test data

Effects on foetal development : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test  
Species: Rat, male and female  
Application Route: inhalation (vapour)  
Symptoms: No effects on foetal development  
Remarks: Based on test data

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

### **STOT - single exposure**

Not classified based on available information.

#### **Components:**

##### **Titanium tetrabutanolate:**

Assessment: May cause respiratory irritation.

Assessment: May cause drowsiness or dizziness.

### **STOT - repeated exposure**

Not classified based on available information.

#### **Components:**

##### **Octamethyltrisiloxane:**

Exposure routes: Ingestion

Assessment: No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.

Exposure routes: inhalation (vapour)

Assessment: No significant health effects observed in animals at concentrations of 1 mg/l/6h/d or less.

### **Repeated dose toxicity**

#### **Components:**

##### **Octamethyltrisiloxane:**

Species: Rat

Application Route: Ingestion

Remarks: Based on test data

Species: Rat

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Application Route: inhalation (vapour)  
Remarks: Based on test data

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Components:

#### **Octamethyltrisiloxane:**

Remarks: This material contains octamethyltrisiloxane (L3). Repeated inhalation exposure in rats to L3 resulted in protoporphyrin accumulation in the liver. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation the relevance of this finding to humans is unknown.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

#### **Tetrakis(2-butoxyethyl) orthosilicate:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 201 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia sp.): > 90 mg/l  
Exposure time: 48 h  
Method: EG 84/449  
Remarks: No toxicity at the limit of solubility
- Toxicity to algae : ErC50 (Scenedesmus subspicatus): > 161 mg/l  
Exposure time: 72 h  
Method: 88/302/EC

#### **Ecotoxicology Assessment**

- Acute aquatic toxicity : This product has no known ecotoxicological effects.

#### **Octamethyltrisiloxane:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.019 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: Based on test data  
No toxicity at the limit of solubility
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 0.020 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: No toxicity at the limit of solubility
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- Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): > 0.0094 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: No toxicity at the limit of solubility
- Toxicity to fish (Chronic toxicity) : NOEC: > 0.027 mg/l  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: OECD Test Guideline 210  
Remarks: Based on test data  
No toxicity at the limit of solubility
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 0.15 mg/l  
Exposure time: 21 d  
Species: Daphnia sp.  
Method: OECD Test Guideline 211  
Remarks: No toxicity at the limit of solubility

### Ecotoxicology Assessment

- Acute aquatic toxicity : This product has no known ecotoxicological effects.
- Chronic aquatic toxicity : This product has no known ecotoxicological effects.

## 12.2 Persistence and degradability

### Components:

#### **Tetrakis(2-butoxyethyl) orthosilicate:**

- Biodegradability : Result: Readily biodegradable.  
Biodegradation: 83 %  
Method: OECD Test Guideline 301B

#### **Octamethyltrisiloxane:**

- Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 0 %  
Method: OECD Test Guideline 310

- Stability in water : Degradation half life: 329 h pH: 7  
Method: OECD Test Guideline 111  
Remarks: Based on test data

## 12.3 Bioaccumulative potential

### Components:

#### **Titanium tetrabutanolate:**

- Partition coefficient: n-octanol/water : log Pow: 0.88

#### **Octamethyltrisiloxane:**

- Bioaccumulation : Species: Pimephales promelas (fathead minnow)



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Bioconcentration factor (BCF):  $\geq 500$   
Method: OECD Test Guideline 305  
Remarks: Biomagnification factor  $<1$

Partition coefficient: n-octanol/water : log Pow:  $\geq 4$   
Remarks: Based on test data

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

Not relevant

### 12.6 Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : 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.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product.

## SECTION 14: Transport information

### 14.1 UN number

ADN : UN 1993  
ADR : UN 1993  
RID : UN 1993  
IMDG : UN 1993  
IATA : UN 1993

### 14.2 UN proper shipping name

ADN : FLAMMABLE LIQUID, N.O.S.  
(Octamethyltrisiloxane, Organo Titanate)

ADR : FLAMMABLE LIQUID, N.O.S.  
(Octamethyltrisiloxane, Organo Titanate)

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**RID** : FLAMMABLE LIQUID, N.O.S.  
(Octamethyltrisiloxane, Organo Titanate)

**IMDG** : FLAMMABLE LIQUID, N.O.S.  
(Octamethyltrisiloxane, Organo Titanate)

**IATA** : Flammable liquid, n.o.s.  
(Octamethyltrisiloxane, Organo Titanate)

### 14.3 Transport hazard class(es)

**ADN** : 3

**ADR** : 3

**RID** : 3

**IMDG** : 3

**IATA** : 3

### 14.4 Packing group

**ADN**  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

**ADR**  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3  
Tunnel restriction code : (D/E)

**RID**  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

**IMDG**  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E

**IATA (Cargo)**  
Packing instruction (cargo aircraft) : 366  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

**IATA (Passenger)**  
Packing instruction (passenger aircraft) : 355  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

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### 14.5 Environmental hazards

**ADN**

Environmentally hazardous : no

**ADR**

Environmentally hazardous : no

**RID**

Environmentally hazardous : no

**IMDG**

Marine pollutant : no

### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks : Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

	Quantity 1	Quantity 2
P5c	5,000 t	50,000 t

Other regulations : Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

#### The components of this product are reported in the following inventories:

NZIoC : 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.

IECSC : All ingredients listed or exempt.

ENCS/ISHL : All components are listed on ENCS/ISHL or exempted from

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- inventory listing.
- PICCS : All ingredients listed or exempt.
- DSL : This product contains one or more substances which are not on the Canadian Domestic Substances List (DSL). Import of this product into Canada has volume limitations. For volume limits please consult Dow Corning Regulatory Compliance.
- REACH : For purchases from Dow Corning EU legal entities, all ingredients are currently pre/registered or exempt under REACH. For purchases from non-EU Dow Corning legal entities with the intention to export into EEA please contact your DC representative/local office.
- AICS : Consult your local Dow Corning office.
- KECI : One or more ingredients are not listed or exempt.
- TCSI : All ingredients listed or exempt.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

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## SECTION 16: Other information

### Full text of H-Statements

- H226 : Flammable liquid and vapour.  
H315 : Causes skin irritation.  
H318 : Causes serious eye damage.  
H335 : May cause respiratory irritation.  
H336 : May cause drowsiness or dizziness.

### Full text of other abbreviations

- Eye Dam. : Serious eye damage  
Flam. Liq. : Flammable liquids  
Skin Irrit. : Skin irritation  
STOT SE : Specific target organ toxicity - single exposure  
2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values  
DCC OEL : Dow Corning Guide  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
2000/39/EC / TWA : Limit Value - eight hours  
2000/39/EC / STEL : Short term exposure limit  
DCC OEL / TWA : Time weighted average  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regula-

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according to Regulation (EC) No. 1907/2006

**DOW CORNING**

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tion; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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