

537-019

**DOW CORNING****PRODUCT SAFETY DATA SHEET**

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**DOW CORNING(r) 4 ELECTRICAL INSULATING COMPOUND****1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY****1.1 Product Name:** DOW CORNING(r) 4 ELECTRICAL INSULATING COMPOUND**1.2 Use:** Semiconductor coating.**1.3 Address:** Dow Corning Europe  
62, Rue General De Gaulle  
1310 La Hulpe  
Brussels  
Belgium**1.4 Service:** Dow Corning (Reading)

Tel: +44 1189507251

**1.5 Emergency:** Dow Corning (Barry, GB 24h)

Tel: +44 1446732350

Dow Corning (Brussels, B)

Tel: +32 2 6552111

**1.6 Health & Safety Information:** Health, Environment and Regulatory Affairs  
Department, Dow Corning, Brussels, B.

Tel: +32 2 6552523

Tel: +32 2 6552304

**2. COMPOSITION & INFORMATION ON INGREDIENTS****2.1 Chemical characterisation:** Inorganic compound. (Preparation)**2.2 HAZARDOUS INGREDIENTS<sup>1</sup>**

Name	CAS No.	%(w/w)	Symbols & Health Risk Phrases
Silica (amorphous)	7631-86-9	~9	

<sup>1</sup>According to Commission Directive 88/379/EEC (Article 3 [6a]).**3. HAZARD IDENTIFICATION**

Not hazardous.

**4. FIRST AID MEASURES****4.1 Skin:** Wipe off and wash with soap and water.**4.2 Eyes:** Flush with water.**4.3 Inhalation:** Remove to fresh air.**4.4 Ingestion:** No first aid should be needed.**4.5 Other first aid information:** None known.

**DOW CORNING(r) 4 ELECTRICAL INSULATING COMPOUND****5. FIRE FIGHTING MEASURES**

- 5.1 Extinguishing media:** Carbon dioxide, foam, dry powder or fine water spray.
- 5.2 Unsuitable extinguishing media:** None known.
- 5.3 Unusual firefighting hazards:** None known.
- 5.4 Special firefighting procedures:** Self-contained respirator should be worn.
- 5.5 Other recommendations:** None known.
- 5.6 Combustion products:** Silica, carbon dioxide and traces of incompletely burned carbon products.

**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions:** Avoid eye contact.
- 6.2 Precautions to protect the environment:** None established, do not allow large quantities to enter drains.
- 6.3 Cleanup procedures:** Scrape up and place in a container fitted with a lid.

**7. HANDLING AND STORAGE**

- 7.1 Handling precautions:** General ventilation is required. Avoid eye contact.
- 7.2 Storage:** No special measures required.
- 7.3 Unsuitable packaging materials:** None established.
- 7.4 Incompatibilities:** None known.
- 7.5 Other information:** None established.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

- 8.1 Exposure controls:** Refer to section 7
- 8.2 Exposure controls for hazardous components.**

Name	CAS No.	Exposure limits <sup>1</sup>
Silica (amorphous)	7631-86-9	6mg/m <sup>3</sup> (TWA tot.inhal.dust). 3mg/m <sup>3</sup> (TWA,respirable dust).

**8.3 Personal protective equipment:**

**Respiratory:** Respiratory protection is not normally required.

**Hand:** Gloves are not normally required.

**Eye:** Safety glasses.

**Skin:** Protective equipment is not normally necessary.

**Industrial Hygiene:** Wash after handling, especially before eating, drinking or smoking. Exercise good industrial hygiene practice.

<sup>1</sup>According to Health and Safety executive document EH40.

**DOW CORNING(r) 4 ELECTRICAL INSULATING COMPOUND****9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Appearance:****Form:** Grease.**Colour:** Translucent.**Odour:** Slight.**9.2 Safety related information****pH:**

Not determined.

**Boiling point/boiling range:**

Not determined.

**Melting point/melting range:**

Not determined.

**Flashpoint:**

100°C

**Flammability (solid, gas):**

Not determined.

**Autoflammability:**

Not determined.

**Explosive Properties:**

Not determined.

**Oxidising properties:**

Not determined.

**Vapour pressure:**

Not determined.

**Specific gravity:**

&gt;1

**Solubility in water:**

Not determined.

**Solubility in fat:**

Not determined.

**Oil/water partition coefficient:**

Not determined.

**Other data:****Vapour density (air = 1):**

Not determined.

**Evaporation rate (ethyl ether = 1):**

Not determined.

**Viscosity:**

Not determined.

**% Volatiles:**

Not determined.

**Molecular weight:**

Not determined.

The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

**10. STABILITY AND REACTIVITY****10.1 Stability:** Stable.**10.2 Reactivity:****Conditions to avoid:** None known.**Materials to avoid:** Can react with strong oxidising agents.**Hazardous decomposition products:** None known.

**DOW CORNING(r) 4 ELECTRICAL INSULATING COMPOUND****11. TOXICOLOGICAL INFORMATION****Possible Health Effects.**

**Skin:** <sup>3</sup> No significant effect.

**Eyes:** <sup>3</sup> May cause temporary discomfort.

**Inhalation:** <sup>3</sup> No significant effect. See other health hazard information.

**Ingestion:** <sup>3</sup> No significant effect.

**Other health hazard information:**

Silica is present in a non-crystalline (amorphous) state in this formulation it is not in a respirable form.

**LC50:** Not determined.

**LD50:** Not determined.

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

<sup>2</sup> Based on assessments from related 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 IMPACT****12.1 Elimination <sup>3</sup>**

**Persistence:** Not known.

**Degradability:** Material will degrade in the environment abiotically, by chemical and physical processes.

**12.2 Behaviour in the Aquatic compartment <sup>3</sup>**

**Mobility:** Not applicable.

**Bioaccumulation:** Not known.

**12.3 Ecotoxicity <sup>3</sup>**

**Aquatic:** Ecotoxic effects not known.

**Terrestrial:** Not known.

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

<sup>2</sup> Based on assessments from related 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.

**13. WASTE DISPOSAL**

**13.1 Product disposal:** Can be incinerated or land-filled in accordance with local regulations.

**13.2 Packaging disposal:** Packaging should be disposed of in accordance with regional and/or national regulations.

**DOW CORNING(r) 4 ELECTRICAL INSULATING COMPOUND****14. TRANSPORT INFORMATION****UNNO:** Not applicable.**LABEL:** Not applicable.**ROAD & RAIL TRANSPORT (ADR/RID)**

No special packaging or labelling requirements.

**SEA TRANSPORT (IMO)**

No special packaging or labelling requirements.

**AIR TRANSPORT (ICAO)**

No special packaging or labelling requirements.

**15. REGULATORY INFORMATION****15.1 EEC Supply classification & labelling: <sup>1</sup>****Contains:** Not applicable.

No special packaging or labelling requirements.

**15.2 National legislation.**

For product information in other EC languages, including appropriate national legislation, please contact the sales office at the above address.

**15.3 Other regulations.****German waste number:** Not determined.**German water class:** 1 - Slight risk of causing water pollution.**German Vbf:** AIII**Ozone depleting chemicals:** No ozone depleting chemicals are present or used in manufacture.**EINECS:** All ingredients listed or exempt.**TSCA:** All ingredients listed or exempt.**MITI:** Not determined.**DSL:** All ingredients listed or exempt.**AICS:** All ingredients listed or exempt.<sup>1</sup>According to 93/18/EEC as adapted for the 3rd time to technical progress commission directive 88/379/EEC.

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**16. OTHER INFORMATION**

*This product safety data sheet was prepared in compliance with Commission Directive 93/112/EC, 67/548/EEC and 88/379/EEC 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 88/379/EEC.*

*All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state 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.*

*Please note: for customers sourcing Dow Corning products in regions other than the European Union, the Safety Data Sheet will reflect the requirements of existing local legislation. This may result in a different format and presentation of hazard classification information.*