

## DOW CORNING(R) Q3-6611 ADHESIVE, BLACK

## 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

<b>1.1 Product Name:</b>	DOW CORNING(R) Q3-6611 ADHESIVE, BLACK	
<b>1.2 Address:</b>	Dow Corning Europe 62, Rue General De Gaulle 1310 La Hulpe Brussels Belgium	
<b>1.3 Service:</b>	Dow Corning Northern Europe	Tel: 44 1676 528 000
<b>1.4 Emergency:</b>	Dow Corning (Barry, GB 24h)	Tel: +44 1446732350
<b>1.5 Health &amp; Safety Information:</b>	Dow Corning (Brussels, B) Health, Environment and Regulatory Affairs Department, Dow Corning, Brussels, B.	Tel: +32 2 6552111 Tel: +32 2 6552523 Tel: +32 2 6552304

## 2. COMPOSITION &amp; INFORMATION ON INGREDIENTS

**2.1 Chemical characterisation:** Silicone (Preparation)

**2.2 HAZARDOUS INGREDIENTS<sup>1</sup>**

Name	CAS No.	% (w/w)	Symbols & Health Risk Phrases
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No hazardous ingredients.

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

## 3. HAZARD IDENTIFICATION

Not hazardous according to Commission Directive 88/379/EEC and its subsequent amendments.

## 4. FIRST AID MEASURES

- 4.1 Skin:** Wipe off and flush with water
- 4.2 Eyes:** Flush with water
- 4.3 Inhalation:** Remove to fresh air
- 4.4 Ingestion:** Treat symptomatically
- 4.5 Other first aid information:** Not applicable.

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**5. FIRE FIGHTING MEASURES**

- 5.1 Extinguishing media:** Carbon dioxide, foam or dry powder
- 5.2 Unsuitable extinguishing media:** Do not use Water
- 5.3 Unusual firefighting hazards:** None known.
- 5.4 Special firefighting procedures:** Self-contained respirator and protective clothing should be worn.
- 5.5 Combustion products:** Silica Carbon dioxide and traces of incompletely burned carbon products Quartz Formaldehyde.

**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions:** Avoid eye contact Avoid prolonged or repeated skin contact
- 6.2 Precautions to protect the environment:** None established, do not allow large quantities to enter drains.
- 6.3 Cleanup procedures:** Eliminate all possible sources of ignition Ventilate area well Mop, wipe or soak up with absorbent material and place in a vented container Do not get water on spilled material

**7. HANDLING AND STORAGE**

- 7.1 Handling precautions:** General ventilation is recommended Avoid eye contact Avoid prolonged or repeated skin contact
- 7.2 Storage:** This product slowly evolves hydrogen on storage Keep only in a vented container in a well ventilated area
- 7.3 Unsuitable packaging materials:** None known.
- 7.4 Incompatibilities:** None known.
- 7.5 Other information:** None known.

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## 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>
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None of the components have assigned exposure limits.

**8.3 Personal protective equipment.**

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

**Hand:** Rubber or plastic gloves should be worn, where repeated or prolonged contact can occur

**Eye:** Safety glasses should be worn

**Skin:** Additional protective equipment is not normally required

**Industrial Hygiene:** Exercise good industrial hygiene practice Remove contaminated clothing Contaminated clothing must be washed before re-use Wash after handling, especially before eating, drinking or smoking.

**8.4 Other information.**

None known.

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

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Appearance:**

**Form:** Viscous Liquid. **Colour:** Black **Odour:** Not reported

**9.2 Safety related information<sup>1</sup>**

<b>pH:</b>	Not determined.
<b>Boiling point/boiling range:</b>	>35 °C
<b>Melting point/melting range:</b>	Not determined.
<b>Flashpoint:</b>	> 101 °C
<b>Flammability (solid, gas):</b>	Not determined.
<b>Autoflammability:</b>	Not determined.
<b>Explosive Properties:</b>	Not determined.
<b>Oxidising properties:</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Specific gravity:</b>	1.30
<b>Solubility in water:</b>	Not determined.
<b>Solubility in fat:</b>	Not determined.
<b>log n-octanol/water partition coefficient:</b>	Not determined.
<b>Other data:</b>	
<b>Vapour density (air = 1):</b>	Not determined.
<b>Evaporation rate (ethyl ether = 1):</b>	Not determined.
<b>Viscosity:</b>	80000.00 cST
<b>% Volatiles:</b>	Not determined.

<sup>1</sup> 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 Hydrogen is liberated on contact with water, alcohols, acidic or basic materials, many metals or metallic compounds and can form explosive mixtures in air

**Hazardous decomposition products:** If this product is heated to > 150°C trace quantities of formaldehyde may be released, and adequate ventilation is required

**DOW CORNING(R) Q3-6611 ADHESIVE, BLACK****11. TOXICOLOGICAL INFORMATION****Possible Health Effects.**

**Skin:** <sup>3</sup> Potential to cause contact allergy (skin sensitisation)

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

**Inhalation:** <sup>3</sup> No adverse effects are normally expected

**Oral:** <sup>3</sup> No adverse effects are normally expected

**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 concentrations less than one part per million (1 ppm)

Occupational exposure measurement and control within established limits is necessary for applications where formaldehyde may be formed to ensure worker health and safety

Detailed information concerning current formaldehyde exposure limits can be found in UK HSE EH40

Occupational Exposure Limits

<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.

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**12. ENVIRONMENTAL INFORMATION**

**12.1 Environmental Fate and Distribution**

**Air:** This product is a high molecular weight liquid polymer which has a very low vapour pressure (<1 mm Hg). As a result it is unlikely to become an atmospheric contaminant unless generated as an aerosol.

**Water:** This product has a solubility of <1% in water. It is heavier than water and will sink to the bottom of the water course, from where it will gradually dissolve

**Terrestrial Environment:** If discharged to surface water, the siloxanes in this product will bind to sediment. If discharged in effluent to a waste water treatment plant, the product is removed from the aqueous phase by binding to sewage sludge. If the sewage sludge is subsequently spread on soil, the silicone product degrades (see section 12.3)

**12.2 Ecotoxicity**

**Toxicity to Bacteria and effect on Effluent Treatment:** This product or similar products has been shown to be non-toxic to sewage sludge bacteria

**Toxicity to Aquatic Organisms:** This product is in an insoluble form and is not considered to present a risk to aquatic organisms

**Fish LC50 (96hr):** Not determined.

**Daphnia EC50 (48hr):** Not determined.

**Algal IC50 (72hr):** Not determined.

**Toxicity to Terrestrial Organisms:** No specific information is available on this product, but physico/chemical properties suggest it will behave similarly to polydimethylsiloxane (PDMS). When sewage sludge containing this is added to soil, it has no adverse effects on soil-micro-organisms, earthworms or subsequent crops

**Bioconcentration:** This product is a liquid and is a high molecular weight polymer. Due to its physical size it is unable to pass through, or be absorbed by biological membranes. This has been confirmed by testing or analogy with similar products

**12.3 Persistence and Degradation**

**BOD:** No specific information is available.

**COD:** No specific information is available.

**Degradation:** High molecular weight polymer which is amenable to recycling The product is not biodegradable The product is removed >80% during the sewage treatment process

**13. WASTE DISPOSAL**

**13.1 Product disposal:** Can be incinerated 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) Q3-6611 ADHESIVE, BLACK****14. TRANSPORT INFORMATION****14.1 Road & Rail Transport (ADR/RID)**

Not subject to ADR.

**14.2 Sea Transport (IMO)**

Not subject to IMDG code.

**14.3 Air Transport (ICAO)**

Not subject to ICAO regulations.

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

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.

**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.**

<b>German waste number:</b>	Not determined.
<b>German water class:</b>	1 - Slight risk of causing water pollution.
<b>German Vbf:</b>	Not applicable.
<b>Ozone depleting chemicals:</b>	No ozone depleting chemicals are present or used in manufacture.

<b>EINECS/ELINCS:</b>	All ingredients listed or exempt.
<b>TSCA:</b>	All ingredients listed or exempt.
<b>MITI:</b>	Not determined.
<b>DSL:</b>	All ingredients listed or exempt.
<b>AICS:</b>	All ingredients listed or exempt.

**15.4 The following sections have changed since the previous version: 02,08,11,14**

<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.