

DOW CORNING

PRODUCT SAFETY DATA SHEET

According to EC directive 91/155/EEC and subsequent amendments

Version: 2.5

Revision Date: 18.01.2006

DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART A information is below)**1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY**

Trade name	: DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART A information is below)		
Company	: Dow Corning S.A. rue Jules Bordet - Parc Industriel - Zone C B-7180 Seneffe Belgium		
Service	Dow Corning Central Europe	Tel: +49 6112371	
	Dow Corning Northern Europe	Fax: +49 611237609	
	Dow Corning Southern Europe	Tel: +44 1676528000	
Emergency Phone Number	Dow Corning (Barry U.K. 24h)	Fax: +44 1676528001	
	Dow Corning (Wiesbaden 24h)	Tel: +33 472841360	
	Dow Corning (Seneffe 24h)	Fax: +33 472841379	
Use of the substance/preparation	: Flame retardants and fire preventing		

Supplied by:
RS Components Ltd,
 Birchington Road, Corby, Northants, NN17 9RS.
 Tel: +44 (0) 1536 402888 (8am to 8pm)
 Email: technical.help@rs-components.com

2. COMPOSITION / INFORMATION ON INGREDIENTS**Chemical characterization:** Silicone compound**Hazardous Ingredients:**

Name	CAS-No.	EINECS/ ELINCS No.	Conc. (% w/w)	Classification
Quartz	14808-60-7	238-878-4	17.0	Xn R48/20 R68/20
Zinc oxide	1314-13-2	215-222-5	0.68	N R50/53

3. HAZARDS IDENTIFICATION**The principal hazards of the product as supplied are:**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

On contact with eyes	: No first aid should be needed.
On skin contact	: No first aid should be needed.
If inhaled	: No first aid should be needed.

DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART A information is below)

On ingestion : No first aid should be needed.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide, foam, dry powder or fine water spray. 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.

Hazardous Combustion Products : Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Quartz. Metal products.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment.

Precautions to protect the environment : Do not empty into drains. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.

Methods for cleaning up : Determine the need to evacuate or isolate the area according to your local emergency plan. 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

Advice on safe handling : Avoid eye contact. General ventilation is recommended.

Advice on storage : Do not store with oxidizing agents.

Specific uses : Refer to technical data sheet available on request.

Unsuitable packaging materials : None known.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART A information is below)

Engineering Controls : Ventilation : Refer to Section 7

Exposure controls for hazardous components

Name	CAS-No.	Exposure Limits
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Quartz	14808-60-7	0.3 mg/m ³ TWA Respirable dust
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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. A filtering half mask is recommended. Recommended Filter type: P The choice of a filter type depends on the amount and type of chemical being handled in the workplace. Regarding filter characteristics, contact your respiratory protection supplier.

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 / organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these types of materials in consumer aerosol applications that has been developed by the silicone industry (www.SEHSC.com) or contact the Dow Corning customer service group.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form:	Liquid	Colour:	Black	Odour:	Not available
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Important health, safety and environmental information

Boiling point/range	: 250 °C
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Flash point	: 100 °C (Closed Cup)
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Explosive properties	: No
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DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART A information is below)**Specific Gravity** : 1.08**Viscosity** : 5000 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.**Conditions to avoid** : None established.**Materials to avoid** : Can react with strong oxidising agents.**Hazardous decomposition products** : See section 11. If this product is heated to > 150 degrees C, trace quantities of formaldehyde may be released, and adequate ventilation is required.**11. TOXICOLOGICAL INFORMATION****On contact with eyes** : May cause temporary discomfort.**On skin contact** : No adverse effects are normally expected.**If inhaled** : No adverse effects are normally expected.**On ingestion** : No adverse effects are normally expected.**Other Health Hazard Information** : Product may emit formaldehyde vapour at temperatures above 150°C in the presence of air. Formaldehyde vapour is a suspected carcinogen, toxic by inhalation and irritating to eyes and the respiratory system. Exposure limits should be strictly respected. Human health hazards associated with quartz (silica, crystalline respirable dust) and other fibrogenic dusts arise following inhalational exposure to respirable particles. Quartz in the present formulation (uncured or cured) is not available 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**

Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.

Ecotoxicity effects

Harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

Bioaccumulation : No bioaccumulation potential.

DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART A information is below)**Fate and effects in waste water treatment plants**

The siloxanes in this product do not contribute to the BOD. Removed > 90% by binding onto sewage sludge. No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS

Product disposal : 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.

Packaging disposal : Dispose of in accordance with local regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

14. TRANSPORT INFORMATION**Road / Rail (ADR/RID)**

Not subject to ADR/RID.

Sea transport (IMDG)

Not subject to IMDG code.

Air transport (IATA)

Not subject to IATA regulations.

15. REGULATORY INFORMATION**Labelling according to EEC Directive**

R-phrases : R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases : S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

National legislation / regulations

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

DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART A information is below)**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.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation., **R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment., **R68/20** Harmful: possible risk of irreversible effects through inhalation.

DOW CORNING

PRODUCT SAFETY DATA SHEET

According to article 31 and Annex II of the EU REACH Regulation

Version: 1.7

Revision Date: 24.09.2008

DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART B information is below)

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Trade name	: DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART B information is below)		
Company	: Dow Corning S.A. rue Jules Bordet - Parc Industriel - Zone C B-7180 Seneffe Belgium		
Service	Dow Corning Central Europe	Tel: +49 6112371	
	Dow Corning Northern Europe	Fax: +49 611237609	
	Dow Corning Southern Europe	Tel: +44 1676528000	
Emergency Phone Number	Dow Corning (Barry U.K. 24h)	Fax: +44 1676528001	
	Dow Corning (Wiesbaden 24h)	Tel: +33 472841360	
	Dow Corning (Seneffe 24h)	Fax: +33 472841379	
E-mail address (Safety Data Sheet)	: sdseu@dowcorning.com	Tel: +44 1446732350	
Use of the substance/preparation	: Flame retardants and fire preventing	Tel: +49 61122158	
		Tel: +32 64 888240	

Supplied by:
RS Components Ltd.
 Birchington Road, Corby, Northants, NN17 9RS.
 Tel: +44 (0) 1536 402888 (8am to 8pm)
 Email: technical.help@rs-components.com

2. HAZARDS IDENTIFICATION

The principal hazards of the product as supplied are:

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

Not hazardous according to article 31 and Annex II of the EU REACH Regulation and its subsequent amendments.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Silicone compound

Hazardous Ingredients:

Name	CAS-No.	EINECS/ ELINCS No.	Conc. (% w/w)	Classification
Quartz	14808-60-7	238-878-4	16.0	Xn R48/20 R68/20

4. FIRST AID MEASURES

PRODUCT SAFETY DATA SHEET

According to article 31 and Annex II of the EU REACH Regulation

Version: 1.7

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DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART B information is below)

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

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	: On large fires use AFFF alcohol compatible foam or water spray (fog). On small fires use AFFF alcohol compatible foam, CO2 or water spray (fog). Water can be used to cool fire exposed containers. Most fire extinguishing media will cause hydrogen release. Thus, in poorly ventilated or confined spaces, the accumulation of hydrogen may result in flash fire or explosion if ignited. Applying foam may release flammable hydrogen gas that can be trapped under the foam.
Unsuitable extinguishing media	: Dry powder. Do not allow extinguishing medium to contact container contents.
Hazards during fire fighting	: None known.
Special protective equipment/procedures	: A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
Hazardous Combustion Products	: Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Hydrogen. Quartz.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: Wear proper protective equipment.
Precautions to protect the environment	: Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.
Methods for cleaning up	: Determine the need to evacuate or isolate the area according to your local emergency plan. Very large spills should be contained by bunding, etc... procedures. Mop, wipe or soak up with absorbent material and place in a vented container. The spilled product produces an extremely slippery surface.

7. HANDLING AND STORAGE

Advice on safe handling	: General ventilation is required. Local ventilation is recommended. Avoid eye contact. Do not breathe spray or mist. Do not breathe vapour.
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DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART B information is below)

Advice on storage	: 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.
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
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Quartz	14808-60-7	0.1 mg/m ³ TWA Respirable dust.
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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. 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. Depending on the working conditions, wear a respiratory mask with filter(s) AP or use a self-contained respirator. The choice of a filter type depends on the amount and type of chemical being handled in the workplace. Regarding filter characteristics, contact your respiratory protection supplier.
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 / organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these types of materials in consumer aerosol applications that has been developed by the silicone industry (www.SEHSC.com) or contact the Dow Corning customer service group.

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Version: 1.7

Revision Date: 24.09.2008

DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART B information is below)**9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**Form:** Liquid **Colour:** Off-White **Odour:** Not availableImportant health, safety and environmental information**Boiling point/range** : 150 °C**Flash point** : 100 °C (Closed Cup)**Explosive properties** : No
Some hydrogen gas may be released. Hydrogen is flammable and can form explosive mixtures with air.**Specific Gravity** : 1.08**Viscosity** : 6250 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.**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. Can react with strong oxidising agents.**Hazardous decomposition products** : Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Hydrogen. Quartz.**11. TOXICOLOGICAL INFORMATION****On contact with eyes** : May cause temporary discomfort.**On skin contact** : No adverse effects are normally expected.**If inhaled** : No adverse effects are normally expected.**On ingestion** : No adverse effects are normally expected.

DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART B information is below)

Other Health Hazard Information : Human health hazards associated with quartz (silica, crystalline respirable dust) and other fibrogenic dusts arise following inhalational exposure to respirable particles. Quartz in the present formulation (uncured or cured) is not available in a respirable form. Product may emit formaldehyde vapour at temperatures above 180°C in the presence of air. Formaldehyde vapour is a suspected carcinogen, toxic by inhalation and irritating to eyes and the respiratory system. Exposure limits should be strictly respected.

¹ Based on product test data.

² Based on test data from similar products.

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.

Additional environmental information

Additional environmental information on the silicone component is available on request.

13. DISPOSAL CONSIDERATIONS

Product disposal : 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.

Packaging disposal : Dispose of in accordance with local regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

14. TRANSPORT INFORMATION**Road / Rail (ADR/RID)**

Not subject to ADR/RID.

Sea transport (IMDG)

PRODUCT SAFETY DATA SHEET

According to article 31 and Annex II of the EU REACH Regulation

Version: 1.7

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DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART B information is below)

Not subject to IMDG code.

Air transport (IATA)

Not subject to IATA regulations.

Remarks : VENTED PACKAGES ARE 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.
S23(V) Do not breathe vapour.
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, exempt or notified (ELINCS).**TSCA** : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.**AICS** : All ingredients listed, exempt or notified.**IECSC** : All ingredients listed or exempt.**MITI** : All ingredients listed, exempt or notified.**KECL** : All ingredients listed, exempt or notified.**DSL** : All ingredients listed or exempt.

PRODUCT SAFETY DATA SHEET

According to article 31 and Annex II of the EU REACH Regulation

Version: 1.7

Revision Date: 24.09.2008

DOW CORNING(R) 3-6548 SILICONE RTV FOAM KIT (PART B information is below)**16. OTHER INFORMATION**

This product safety data sheet was prepared in compliance with article 31 and Annex II of the EU REACH Regulation as well as its 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 article 31 and Annex II of the EU REACH Regulation.

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.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation., **R68/20** Harmful: possible risk of irreversible effects through inhalation.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation., **R68/20** Harmful: possible risk of irreversible effects through inhalation.