

DOW CORNING(R) MB50-313 SILICONE MASTERBATCH**1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY**

1.1 Product Name:	DOW CORNING(R) MB50-313 SILICONE MASTERBATCH	
1.2 Address:	Dow Corning Europe 62, Rue General De Gaulle 1310 La Hulpe Brussels Belgium	
1.3 Service:	Dow Corning Northern Europe	Tel: 44 1676 528 000
1.4 Emergency:	Dow Corning (Barry, GB 24h)	Tel: +44 1446732350
1.5 Health & Safety Information:	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 & INFORMATION ON INGREDIENTS

2.1 Chemical characterisation: Silicone disperison (Preparation)

2.2 HAZARDOUS INGREDIENTS¹

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

¹ 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:** Treat symptomatically
- 4.5 Other first aid information:** Not applicable.

DOW CORNING(R) MB50-313 SILICONE MASTERBATCH**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 and protective clothing should be worn.
Determine the need to evacuate or isolate the area according to your local emergency plan Keep containers cool with water spray until well after the fire is out.
- 5.5 Combustion products:** Silica Carbon dioxide and traces of incompletely burned carbon products
Formaldehyde.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions:** Avoid eye contact Do not breathe dust.
- 6.2 Precautions to protect the environment:** None established, do not allow large quantities to enter drains.
- 6.3 Cleanup procedures:** Sweep up carefully and place in a container or pick up with an industrial vacuum cleaner

7. HANDLING AND STORAGE

- 7.1 Handling precautions:** General ventilation is recommended Avoid eye contact Do not breathe dust.
- 7.2 Storage:** No special measures required
- 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 ¹
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None of the components have assigned exposure limits.

8.3 Personal protective equipment.

Respiratory: A suitable respiratory protection should be worn if the product is used in a manner which may generate a respiratory hazard

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 Wash after handling, especially before eating, drinking or smoking.

8.4 Other information.

None known.

¹ According to Health and Safety executive document EH40

DOW CORNING(R) MB50-313 SILICONE MASTERBATCH**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Appearance:**

Form: Solid. **Colour:** Off white **Odour:** None.

9.2 Safety related information¹

pH:	Not determined.
Boiling point/boiling range:	Not determined.
Melting point/melting range:	Not determined.
Flashpoint:	Not applicable.
Flammability (solid, gas):	Not determined.
Autoflammability:	Not determined.
Explosive Properties:	Not determined.
Oxidising properties:	Not determined.
Vapour pressure:	Not determined.
Specific gravity:	0.94
Solubility in water:	0 G/L
Solubility in fat:	Not determined.
log n-octanol/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.

¹ 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 oxidising agents

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) MB50-313 SILICONE MASTERBATCH**11. TOXICOLOGICAL INFORMATION****Possible Health Effects.**

Skin:³ No adverse effects are normally expected

Eyes:³ May cause temporary discomfort

Inhalation:³ Mildly irritating to the respiratory system

Oral:³ No adverse effects are normally expected

Other health hazard information: None known.

¹ Based on product test data.

² Based on assessments from related products.

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

DOW CORNING(R) MB50-313 SILICONE MASTERBATCH**12. ENVIRONMENTAL INFORMATION****12.1 Environmental Fate and Distribution**

Air: This product is a solid consisting of a high molecular weight silicone polymer and other solid materials. Unless milled to produce a dust or particles, it is unlikely to give rise to atmospheric contamination

Water: This product has limited water solubility. As it has a specific gravity of <1.0, if discharged to water, it will initially form a surface film. The siloxanes present will bind to sediment

Terrestrial Environment: This product will enter the terrestrial environment if, as a component of municipal or industrial solid waste the product is landfilled. It is unlikely that further significant transformation of the product will occur

12.2 Ecotoxicity

Toxicity to Bacteria and effect on Effluent Treatment: This product is a solid rubber type material which is unlikely to have any adverse effect on 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: This product is a solid and does not contain significant concentrations of water soluble constituents that may be leached from the product. It is therefore not likely to present a danger to terrestrial organisms

Bioconcentration: This product is a solid which is not soluble in water and if ingested will not be absorbed. Accumulation in the body is therefore not possible

12.3 Persistence and Degradation

BOD: No specific information is available.

COD: No specific information is available.

Degradation: The product is not biodegradable

13. WASTE DISPOSAL

13.1 Product disposal: Can be 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) MB50-313 SILICONE MASTERBATCH**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: ¹****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:	Not applicable.
German Vbf:	Not applicable.
Ozone depleting chemicals:	No ozone depleting chemicals are present or used in manufacture.

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

15.4 The following sections have changed since the previous version: 12,14,15¹ According to 93/18/EEC as adapted for the 3rd time to technical progress commission directive 88/379/EEC.

DOW CORNING(R) MB50-313 SILICONE MASTERBATCH**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.