

Material Safety Data Sheet

1907/2006 (Reach)

1. Product and Company Identification

Common names	Microsilica
Product Name	DURA-SIL G7
Manufacturer	DURAPACT 2.0 Kompetenzzentrum Faserbeton GmbH Büssingstraße 4 D- 42781 Haan Tel.: +49 (0) 21 29 / 56 78 10 Fax: +49 (0) 21 29 / 56 78 28 E-Mail: info@durapact.de
Product Use	Synthetic silicon dioxide, chemical product for industrial and scientific application, pyrogene microsilica, SiO ₂ nano particles, SiO ₂ fume. Not for use as a medical device or drug.

2. Hazards Identification

No immediate health, physical and environmental hazards known.
Longer skin contact can cause dry and rough skin surface.

3. Ingredients

Microsilica is delivered as pure substance.

Siliciumdioxide, Silica fume, amorph, high pure

Concentration:	ca. 90,0%
CAS-No.:	69012-64-2
EINECS-No.:	273-761-1
Registration-No.:	

Dangerous components: none

4. First Aid Measures

The first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are established.

Inhalation:	Remove person to fresh air
Skin contact:	Wash skin with water and soap
Eye contact:	Flush open eye some minutes with water, if symptoms persist, get medical attention
If swallowed:	Drinking of much water is recommended

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5. Fire Fighting Measures

Product is not flammable.
No thermal decomposition possible.
Use fire fighting procedures and protective equipment on special requirement of near environment.

6. Accidental Release Measures

Personal related: In case of dust flow and direct skin contact the use of protection mask and protection gloves is required.
Environment measures: none
Recommended cleaning process is using vacuum cleaners.

7. Handling And Storage

Handling

If ventilation is not adequate, use respiratory protection equipment.
Appropriate personal and industrial hygiene practices should be established.
Avoid dust flow.
Store work clothes separately from other clothing, food and tobacco products.
Don't eat or drink in the working area.

Storage

Keep container closed. avoid influence of moisture and dust to the product.
Store separately from food products.

8. Exposure Controls And Personal Protection

Engineering Controls

Use with appropriate local exhaust ventilation. Avoid electrostatic effects.
The concentration of dust particles in air emissions should be restricted on a level as required in local environment. Usually less than 20 ppm is recommended.

Exposure Guideline

Limit: 0,3mg/m³ (respirable pp fraction)

Personal Protective Equipment (PPE)

Avoid eye contact. Safety glasses with side shields.
Avoid skin contact. Wear appropriate gloves.
Avoid inhaling dust. Use a dust protection mask.
Do not eat, drink or smoke when using this product.

9. Physical And Chemical Properties

Specific Physical Form	solid, fine dust
Colour	grey
Smell	none
Tip density	0,1-0,25g/cm ³
Softening point	1.572 °C
Melting point	1.693 °C
Flashpoint	none
Autoignition temperature	none
Solubility in water	none
Water contents	< 0,3 %, hygroscopic
Part of crystal form	< 0,5 %
Viscosity	n.a.

10. Stability And Reactivity

Stable.
Avoid contact with Hydrogen Fluoride Acid.

11. Toxicological Information

This product has no toxic properties.

12. Ecological Information

Biologic stable.
No hazardous properties in ground or water.

13. Disposal Considerations

Reclaim if feasible.
Consult applicable regulations or authorities before disposal.
No hazardous waste.

14. Transportal Information

No dangerous product.
The shipper is responsible for complying with all applicable laws and regulations, including proper transportation classification and packing.

15. Regulatory Information

Contact local authorities.

16. Other Information

The information on this Material Safety Data Sheet is believed to be correct at the date of it's issue. The user is responsible for determining whether the product is fit for a particular purpose and suitable for the method of use or application. Given the variety of factors that can affect the use and application of the product, some of which are uniquely within the knowledge and control, it is essential that it will be necessary to determine whether it is fit for a particular and suitable for the intended method of use or application.