

EC - Material Safety Data Sheet according to 1907/2006 (31)

Printing date: 18.10.2011

reviewed on: 18.10.2011

1. Identification of substance:

Product details:

Trade name: DMH Silikon FDA

Supplier: DMH (Dichtungs- und Maschinenhandel GmbH)
Industriepark West 11
A-8772 Traboch

2. Hazards identification:

Preparation (no labelling required)

Hazards to human health or the environment

May cause skin irritation in sensitive individuals.

3. Composition/information on ingredients

Chemical characterisation (preparation) – explanation of R-phrases in section 15

Description: Vulcanizable rubber compound (basis: silicone rubber) containing organic peroxide

contains Dicumyl peroxide
CAS-Nr. 80-43-3

Hazard symbol: O, Xi
R-phrases: 7 36/37/38
S-phrases: 3/7 14 36/37/39

4. First aid measures

General information: If feeling unwell consult doctor

After inhalation : After inhalation of combustion gases, by-products or volatile components (especially during processing) bring casualty to the fresh air.
If discomfort persists, consult doctor.

After skin contact : Immediately wash affected area with soap and plenty of water.
After contact with hot compound, cool affected area with cold water.

After eye contact Rinse eye with plenty of water.
If eye irritation persists, consult specialist doctor.

5. Fire fighting measures

Suitable extinguishing media: Alcohol-resistant foam, dry-chemical extinguishing agent, carbon dioxide CO₂, water

Special hazards from the substance itself, its combustion products or from its vapours : In case of fires, hazardous combustion gases are formed.
Combustion products: Silicon dioxide, Carbon dioxide, Carbon monoxide and other toxic fumes
Do not inhale combustion gases.

Special protective equipment for fire-fighting : In the event of a fire, use self-contained breathing apparatus. Wear personal protective clothing

Other information: Take standard fire – fighting measures for the extinguishing of chemical fires.

6. Accidental release measures

Personal precautions: Ensure proper ventilation in the affected area.

In the event of vapours, use breathing apparatus.

Environmental protection measures: Prevent the release of the material into the environment.

Methods for cleaning up/taking up: Take up mechanically and collect in suitable containers for disposal. Where possible, material should be recycled rather than disposed of.

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7. Handling and storage

Handling: No special precautionary measures are required.
Fire and explosion protection : Keep away from heat and ignition sources.
Storage:
Requirements for storerooms and containers: Store in a cool and dry environment.
Mixed-good storage: Keep away from foods, beverages and feedstuff.
Storage class: 11(VCI concept)

8. Exposure controls and personal protection equipment

Additional information on the design of technical plants

Ensure proper ventilation, especially in enclosed rooms.

Components with defined occupational exposure limits requiring monitoring (not added to product, not contained in primary product)

CAS no.	Ingredient	Type of limit	Value	Unit
Personal protective equipment				
General protective measures:		Wash hands immediately after handling the product and every time before taking a break. There is no need to use personal protective equipment.		
Respiratory protection:		In the event of dust formation, wear breathing apparatus.		
Hand protection:		Wear protective gloves.		
Eye protection:		Wear protective goggles.		

9. Physical and chemical properties

Form: Plates, pelets, billets, strips, granules

Colour: translucent

Odour: typical for product

Safety data

Change of state	Value	Unit	Method
Boiling point	n/a	°C	
Melting point	n/a	°C	
Flash point	> 200	°C	
Ignition temperature	> 200	°C	
Spontaneous ignition temperature	n/a	°C	
Vapour pressure (20°C)	n/a		
Density	1,211	g/cm ³	DIN 53479
Explosion limits	LEL:	n/a	vol%
	UEL:	n/a	vol%
Solubility:			
in water (20°C)	insoluble	(g/l H ₂ O)	
pH	n/a	--	
Viscosity	n/a		

10. Stability and reactivity

Conditions to be avoided: Oxidising agents, annealing without fresh air supply, Metals in powder form

Hazardous decomposition products: Carbon monoxide, Silanes and other toxic gases

11. Toxicology

Experience in humans: May cause skin irritation in sensitive individuals.

12. Ecological information

General information: Do not allow enter waterways or wastewater.
No ecological problems are to be expected when the product is handled and used with due care and attention.

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Recommendation: Where possible, material should be recycled rather than disposed of.
Can be burnt, provided that applicable statutory regulations are observed.

Waste code 070299 (EWC)

Waste designation: Waste from plastic production and processing

Declaration required (Y/N): Y

Contaminated packaging

Recommendation: Dispose of empty containers through the local recycling, recovery or waste disposal services.

14. Transport information

Transport/other information: Product is not classified as hazardous in the relevant transport regulations.

15. Regulatory information

Labelling: The product is not subject to mandatory labelling according to EU Directive 67/548/EEC and 1999/45/EC.

R-prase 7(see point 2): May cause fire.

R-prase 36/37/38(see point 2): Irritating to eyes, respiratory system and skin.

Classification according to German Flammable Liquids Regulation VbF: n/a

German Technical Instruction on Air TA-Luft

Class: n/a

Code:

weight%:

16. Other information:

Some of the information in sections 4 to 8, and 10 to 12 refer not to the proper use and application of the product (see application and product information), but to potential risks and measures required in the event of accidental release of large quantities of the product in the event of accidents or improper procedures.

(n/d – not determined; n/a – not applicable)

Department issuing data specification sheet:

DMH, development department

Contact:

Mr. DI Johannes Müller

The information in this material safety data sheet refers exclusively to the safety requirements in connection with the above named product(s) and is based on the current state of our knowledge. The data should not be taken to imply any guarantee of a particular or general specification of the product(s).
For product specifications, please refer to the respective test reports.