

EG-MATERIAL SAFETY DATA SHEET

according to 91/155 EEC

Date of issue: 13-Jan-06

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replaced copy from: 30-Jun-04

Silaform 90 extra-hard, Component A

1. Identification of the Substance / Preparation and Company:

Identification of the substance or preparation:

Commercial product name: Silaform 90 extra-hard, Component A
Silicone vulcanised with a 1:1 cross-linking accelerator

Company / Manufacturer: SILADENT Dr. Böhme & Schöps GmbH
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2. Composition / Information on Ingredients:

- 2.1 Chemical characterization: Polyorganosiloxanes with inert mineral fillers.
- 2.2 Components contributing to the hazard: None
- Components presenting hazards: Platinum (Cas: 7440-06-4): 0.004 %

3. Hazards Identification:

Adverse human health effects: Slightly irritating to eyes

Environmental effects: Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.

Physical and chemical hazards: Combustible liquid. Explosive vapour/air mixtures may be formed above 200°C.

Classification/Specific hazards: According to EEC criteria, this product is not classified as a „hazardous preparation“.

4. First aid measures:

- 4.1 After inhalation: No special measures required.
- 4.2 After contact with the skin: Wipe off with cloth or paper. Then with soap and water.
- 4.3 After contact with the eyes: Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation
- 4.4 After swallowing: In cases of sickness seek medical advice (show label if possible).

5. Fire Fighting measures:

- 5.1 Suitable extinguishing media: Water spray, foam, powders, carbon dioxide (CO₂)
- 5.2 Extinguishing media which must not be used for safety reasons: None to our knowledge. If there is a fire close by, use suitable extinguishing agents.
- 5.3 Special hazards: Combustible liquid. On heating or during combustion: Toxic and flammable vapours are released (explosion hazard).
- 5.4 Special protective equipment for fire fighting: Self-contained breathing apparatus.

6. Accidental release measures:

- 6.1 Personal precautions: safety glasses
- 6.2 Environmental precautions: This product does not present any particular risk for the environment.
- 6.3 Methods for cleaning up: Absorb mechanically and dispose of according to regulations.
Absorb with a liquid binding material such as diatomaceous earth and dispose of according to regulations.

7. Handling and Storage:

- 7.1 Handling: Does not require any specific or particular measures.
- 7.2 Storage: Stable under normal storage conditions.
- Conditions of storage rooms vessels: Strong oxidizing agents.
- Advice of storage of incompatible materials:

8. Exposure controls / Personal protection:

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8.1	Further information for system design and engineering measures: Limits (U.S.A./A.C.G.I.H.): <u>Personal protection equipment</u> : General protection and hygiene measures: Respiratory protection: Hand protection: Eye protection: Skin protection: Hygiene measures:	Not applicable TLV (TWA): 1 mg/m ³ (for platinum) No special hygiene measures required not required. not required. Goggles not required. Do not drink, eat or smoke in the workplace.
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9. Physical and chemical properites:

Form:	viscous paste
Colour:	grey-white
Odour:	Odourless
Decomposition temperature:	> 200 °C
Flash point:	> 200 °C
Ignition temperature:	> 400 °C
Oxidizing proberities:	Non oxidizing material according to EEC criteria
Vapour pressure:	<0.01 kPa at 20°C
Specific gravity:	1.9 g/cm ³ at 25°C
Solubility:	
- in water:	Practically insoluble
- in organic solvents:	Dispersible (partial solubilisation) in: diethylether, chlorinated solvents, aromatic hydrocarbons (toluene, xylene), aliphatic hydrocarbons

10. Stability and Reactivity:

10.1	Stability:	Stable at room temperature
10.2	Hazardous reactions: Materials to avoid: Hazardous decomposition products:	strong oxidizing agents. On combustion or on thermal decomposition (pyrolysis) releases: flammable vapours which may generate fire or explosion hazards. Toxic gases (Carbon oxides (CO + CO ₂)).

11. Toxicological Information:

11.1	Acute toxicity: LD 50 skin (Rat): LD 50 oral (Rat):	>2000mg/kg. >2000mg/kg.
11.2	Local effects:	may cause temporary irritation to ocular mucous membranes.

12. Ecological Infomation:

12.1	Mobility, Precipitation:	The product is slightly soluble and forms a sediment by adsorption onto materials or particles in suspension.
12.2	Expected behaviour of the product:	Ultimate destination of the product: Soil and Sediment
12.3	Biodegradability:	Not biodegradable.
12.4	Bioaccumulation:	Not bioaccumulable.

13. Disposal Considerations:

13.1	Waste from residues:	Prohibition: Do not discharge waste into drains. Destruction/Disposal: Dilute with a flammable solvent and incinerate at a lincensed installation. Dispose of at a licensed waste collection point. Un-vulcanized product: Vulcanized product: May be disposed of with non hazardous industrial waste.
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13.2 Contaminated packaging:

Decontamination/cleaning: Allow it to drain thoroughly. Rinse with an appropriate solvent. Recover the solvent used for rinsing and incinerate at a licensed site. Entrust the thoroughly decontaminated packaging to a licensed waste-contractor. Dispose of at an approved site.

Note:

The user's attention is drawn to the possible existence of local regulations regarding disposal.

14. Transport Information:

Land transport GGVS/ADR and

GGVE/RID:

Road GGVS/ADR:

Railway GGVE/RID:

Valuation - Non-hazardous material

Valuation - Non-hazardous material

Express – permitted

Inland navigation GGVBinsch/ADNR

Transport by sea GGVS/IMDG-

Code:

Air transport ICAO-TI/IATA-DGR :

Valuation - Non-hazardous material

Valuation - Non-hazardous material

15. Regulatory Information:

Labelling:

EEC regulations:

Mandatory labelling (self-classification) of hazardous preparations:

Not applicable

16. Further Information:

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.