

**1 IDENTIFICATION OF SUBSTANCE AND SUPPLIER**

Commercial Product Name: **ELASTOSIL 400**

Manufacturer/distributor: Wacker-Chemie GmbH

Street/POB-No.: Hanns-Seidel-Platz 4

State/postal code/city: D 81737 München

Telephone: 089/6279-01

Telefax:

	Telefax	Telephone
Information (Dept. WL-KP):	+49/8677/83-5590	+49/8677/83-4888

		Emergency Number
Emergency Information (german):	Works Fire Brigade	+49/8677/83-2222
Emergency Information (internat.):	National Response Center	+49/621/60-43333

**2 Composition/information on ingredients**

**2.1 Chemical characterization (preparation):**

**Chemical characteristics**

Polydimethylsiloxane + filler + auxiliary products + alkoxy silane cross-linker

**Hazardous ingredients (EU):**

CAS-No.	Material	Content			Warning Label (EU)	
		from	until		Symbol	R-Phrases
2768-02-7	Trimethoxyvinylsilane		<5,0	%	Xn, -	10-20
128446-60-6	amino-functional methyl silsesquioxane		<5,0	%	Xi, -	10-36/38

**3 Hazards identification**

**3.1 Critical hazards to man and environment:**

R-Phrase	Description
R:-	-

**4 First-aid measures**

**4.1 General information:**

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**4.2 After inhalation:**

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**4.3 After contact with the skin:**

Wipe off with cloth or paper. Wash with plenty of water or water and soap.

**4.4 After contact with the eyes:**

Rinse immediately with plenty of water for 10-15 minutes and seek medical advice.

**4.5 After swallowing:**

Drink plenty of water in small portions and induce vomiting. Seek medical advice and clearly identify substance.

**5 Fire-fighting measures**

**5.1 Suitable extinguishing media:**

water spray jet , dry powder , foam , carbon dioxide .

**5.2 Extinguishing media which must not be used for safety reasons:**

**5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**

**5.4 Special protective equipment for fire fighting:**

Use respiratory protection independent of recirculated air.

**6 Accidental release measures**

**6.1 Personal precautions:**

No special measures required.

**6.2 Environmental precautions:**

Do not introduce into sewer system or in shore-waters.

**6.3 Methods for cleaning up:**

Absorb mechanically and dispose of according to regulations.

**7 Handling and storage**

**7.1 Handling**

**Precautions for safe handling:**

Ensure adequate ventilation.

**Precautions against fire and explosion:**

Observe the general rules for fire prevention.

**7.2 Storage**

**Conditions for storage rooms and vessels:**

**Advice for storage of incompatible materials:**

**Further information for storage:**

Store in a dry and cool place. Keep container tightly closed.

**8 Exposure controls and personal protection equipment**

**8.1 Further information for system design and engineering measures:**

Observe information in section 7.

**8.2 Associate substances with specific control parameters such as limit values**

**TLV values:**

CAS-No.	Material	Type	mg/m <sup>3</sup>	ppm	E/A	fibre/m3
67-56-1	Methanol	TLV_G B	260,0	200,0		

**8.3 Personal protection equipment**

**General protection and hygiene measures:**

Observe standard industrial hygiene practices for the handling of chemical substances. Do not eat, drink or smoke when handling.

**Respiratory protection:**

not required .

**Hand protection:**

not required .

**Eye protection:**

goggles giving full protection recommended .

**9 Physical and chemical properties**

**9.1 Appearance**

Form.....: paste  
Colour.....: white  
Odour.....: pleasant

**9.2 Safety parameters**

Boiling point.....: not applicable  
Flash point.....: not applicable  
Ignition temperature.....: > 400 °C  
Density.....: approx.1,04 g/cm<sup>3</sup> at 25 °C  
Solubility in water.....: virtually insoluble  
pH-Value.....: not applicable

**Method  
(67/548/EEC):**

(DIN 51794)

**9.3 Further information**

Thermal decomposition.....: not applicable

**10 Stability and reactivity**

**10.0 General information:**

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

**10.1 Conditions to avoid:**

**10.2 Materials to avoid:**

**10.3 Hazardous decomposition products:**

Under the effect of humidity: methanol. Tests have shown that at temperatures above about 150°C a small amount of formaldehyde is released through oxidation.

**11 Toxicological information**

**11.0 General information:**

Product not investigated. According to our present state of knowledge no damaging effect expected when treated in accordance with standard industrial practices and local regulations where applicable.

**11.1 Acute toxicity:**

**11.4 Further toxicological information:**

Attention ! Product may hydrolyse in gastro-intestinal tract and produce methanol. According to documentation methanol (67-56-1) irritates mucuous membranes, has skin drying and narcotic effects up to coma or death. Absorption by the skin is possible. Possibility of damage to heart, kidneys, liver and optic nerves (blindness) over a period of time.

**12 Ecological information**

**12.1 Information on elimination (persistence and degradability)**

**Biodegradation / further information:**

Biologically not degradable.

**12.2 Behaviour in environmental compartments**

**12.3 Ecotoxicological effects:**

According to past experience toxicity to fish is improbable.

**Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):**

According to present experience, no adverse effects on water purification plants.

**12.4 Further ecological information**

**General information:**

In cross-linked state not soluble in water. Easily separable from water by filtration.

**13 Disposal considerations**

**13.1 Material**

**Recommendation:**

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of in a domestic waste incinerator. Observe local bye-laws. After solidification, material can be stored together with domestic waste. Observe local bye-laws.

**13.2 Contaminated packaging**

**Recommendation:**

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used.  
Observe local/national bye-laws.

**14 Notes on transport**

**14.1 Land transport GGVS/ADR and GGVE/RID**

**Road GGVS/ADR:**

Valuation.....: Non-hazardous material

**Railway GGVE/RID:**

Valuation.....: Non-hazardous material  
Express.....: permitted

**14.2 Inland navigation GGVBinsch/ADNR**

**14.3 Transport by sea GGVSee/IMDG-Code**

Valuation.....: Non-hazardous material  
Marine Pollutant.....: no

**14.4 Air transport ICAO-TI/IATA-DGR**

Valuation.....: Non-hazardous material

**14.5 Transport/further information**

**Postal and courier service:**

German postal dispatch.....: permitted

**Informing dept. ref. to heading 14. Transport information:**

Department MW-GG (Gefahrtgut-Service), Telefax: +49/8677/83-5589, Telephone: +49/8677/83-4950

**15 Regulatory information**

**15.1 Warning Label (EU)**

R-Phrase	Description
R:-	-

S-Phrase	Description
S:-	-

**15.2 National regulations:**

SI 1993/1746: CHIP Regulations 1993
SI 1988/1657: COSHH Regulations 1988
SI 1992/2051: Management of Health & Safety at Work Regulations 1992
Health & Safety at Work Act 1974
Environmental Protection Act 1990 & Subsidiary Regulations.

Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

**16 Other information**

**16.1 Material**

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.

**n.a. = not applicable      n.s. = not subject to**