

**Safety Data Sheet**

Material: 60005542                      SILRES® BS 1306

Version: 4.4 (REG\_EUROPE)              Date of print: 26.12.2007              Date of last alteration: 10.07.2007

**1 Identification of the substance/preparation and company****1.1 Name of substance/preparation**

Commercial product name:                      SILRES® BS 1306

**1.2 Use of substance / preparation:**Industrial.  
Modifying agent for: Building materials**1.3 Company name**Manufacturer/distributor:                      Wacker Chemie AG  
Street/POB-No.:                                  Hanns-Seidel-Platz 4  
State/postal code/city:                          D 81737 München  
Telephone:    +498962790  
Telefax:    +498962791770

Information about the Safety Data Sheet:	Telephone	+49/(0) 8677/83-4888
	Telefax	+49/8677/83-5590
	eMail	WLCP-MSDS@wacker.com

**1.4 Emergency telephone number**

Emergency Information (German):	Works Fire Brigade	+49/(0) 8677/83-2222
Emergency Information (internat.):	National Response Center	+49/(0) 621/60-43333

**2 Hazards identification****2.1 Classification:**

R-Phrase	Description
R-	-

**2.2 Further hazards to man and environment:**

Inhalation of aerosol spray may damage health.

**3 Composition/information on ingredients****3.1 Chemical characterization (preparation):**

Chemical characteristics
Polydimethylsiloxane with amino alkyl groups, emulsion in water

**3.2 Hazardous ingredients:**

EC-No.	CAS No.	Material	Content %		Warning Label (EC)	
			from	until	Symbol	R-Phrases
	9043-30-5	alpha-iso-Tridecyl-omega-hydroxy-polyglycolether		<5,0	Xi	41
	9043-30-5	alpha-i-tridecyl-omega-hydroxypolyglycolether		<5,0	Xn	22-41

R-Phrase	Description
R41	Risk of serious damage to eyes.
R22 R41	Harmful if swallowed. Risk of serious damage to eyes.

**4 First-aid measures****4.1 General information:**

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

**4.2 After inhalation:**

Provide fresh air.

**Safety Data Sheet****Material:** 60005542                    **SILRES® BS 1306**

Version: 4.4 (REG\_EUROPE)            Date of print: 26.12.2007            Date of last alteration: 10.07.2007

**4.3 After contact with the skin:**

Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

**4.4 After contact with the eyes:**

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

**4.5 After swallowing:**

Give several small portions of water to drink. Do not induce vomiting.

**5 Fire-fighting measures****5.0 General information:**

Product does not burn. Use extinguishing measures appropriate to the source of the fire.

**5.1 Suitable extinguishing media:**

not applicable

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

not applicable

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

Hazardous combustion products: nitrous gases .

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

not applicable

**6 Accidental release measures****6.1 Personal precautions:**

Wear personal protection equipment (see section 8). Avoid inhaling mists and vapours. If material is released indicate risk of slipping.

**6.2 Environmental precautions:**

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water.

**6.3 Methods for cleaning up:**

For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers.

**7 Handling and storage****7.0 General information:**

Always stir well before use.

**7.1 Handling****Precautions for safe handling:**

Avoid formation of aerosols. In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection). Ensure adequate ventilation. Spilled substance increases risk of slipping.

**Precautions against fire and explosion:**

No special precautions against fire and explosion required.

**7.2 Storage****Conditions for storage rooms and vessels:**

Protect against frost.

**Advice for storage of incompatible materials:**

not applicable

**Further information for storage:**

Protect against sun. Keep container tightly closed and store in a cool, well ventilated place.

**Safety Data Sheet**

Material: 60005542                      SILRES® BS 1306

Version: 4.4 (REG\_EUROPE)              Date of print: 26.12.2007              Date of last alteration: 10.07.2007

Minimum temperature allowed during storage and transportation: 0 °C

**8 Exposure controls and personal protection equipment****8.1 Exposure limits**

Maximum airborne concentrations at the workplace: not applicable

**8.2 Exposure limited and controlled****8.2.1 Exposure in the work place limited and controlled****General protection and hygiene measures:**

Do not inhale gases/vapours/aerosols. Do not eat, drink or smoke when handling.

**Personal protection equipment****Respiratory protection:**

In accordance with instructions: not required . In case of aerosol- or mist formation use respiratory protection. combi filter A/P2 .

**Hand protection:**

nitrile rubber protective gloves . Protective gloves made of butyl rubber . Gloves suitable for up to 60 minutes' use.

**Eye protection:**

protective goggles .

**Skin protection:**

protective clothing .

**8.2.2 Exposure to the environment limited and controlled:**

Prevent material from entering surface waters and soil.

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

Observe information in section 7.

**9 Physical and chemical properties****9.1 General information**Physical state / form.....: liquid  
Colour.....: white  
Odour.....: characteristic**9.2 Important information about the protection of health, safety and the environment****Method  
(67/548/EEC):**Melting point / melting range.....: -1 °C  
Boiling point / boiling range.....: 100 °C at 1013 hPa  
Flash point.....: not applicable  
Ignition temperature .....: not applicable  
Lower explosion limit (LEL).....: not applicable  
Upper explosion limit (UEL).....: not applicable  
Vapour pressure.....: 23 hPa at 20 °C  
Density.....: approx. 1 g/cm<sup>3</sup> at 20 °C                      (DIN 51757)  
Water solubility / miscibility.....: completely miscible at 20 °C  
pH-Value.....: approx. 7  
Viscosity (dynamic).....: 25 mPa.s**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:**

none known

**Safety Data Sheet**Material: 60005542                    **SILRES® BS 1306**

Version: 4.4 (REG\_EUROPE)            Date of print: 26.12.2007            Date of last alteration: 10.07.2007

**10.2 Materials to avoid:**

none known

**10.3 Hazardous decomposition products:**

If stored and handled in accordance with standard industrial practices and local regulations where applicable: none known . The following applies for the silicone content of the substance: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

**11 Toxicological information****11.0 General information:**

Product not investigated. Avoid inhalative exposure!

**11.1 Toxicological tests****Further information:**

Aerosols of aminofunctional siloxanes (from organic solutions or aqueous emulsions) may be injurious to health after inhalation in animal tests.

**11.2 Experience with man:**

-

**11.3 Further toxicological information:**

-

**12 Ecological information****12.1 Ecotoxicity**

Harmful effects to aquatic organisms cannot be excluded.

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

Do not introduce large amounts into purification plants.

**12.2 Mobility**

Silicone content: Absorbed by floating particles. Separation by sedimentation.

**12.3 Persistence and degradability****Biodegradation / further information:**

Silicone content: Biologically not degradable. Emulsifier: Readily biologically degradable.

**Further information:**

Silicone content: Elimination by adsorption to activated sludge.

**12.4 Bio-accumulation potential**

-

**12.5 Other harmful effects**

-

**12.6 Additional information****General information:**

Prevent material from entering surface waters and soil.

**13 Disposal considerations****13.1 Material****Recommendation:**

Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

**Safety Data Sheet**

Material: 60005542                      SILRES® BS 1306

Version: 4.4 (REG\_EUROPE)              Date of print: 26.12.2007              Date of last alteration: 10.07.2007

**13.2 Uncleaned packaging****Recommendation:**

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

**14 Transport information****14.1 Land transport GGVSE/ADR and RID****Road ADR:**

Valuation.....: Not regulated for transport

**Railway RID:**

Valuation.....: Not regulated for transport

**14.2 Inland navigation GGVBinsch/ADNR****14.3 Transport by sea GGVSee/IMDG-Code**

Valuation.....: Not regulated for transport

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

Valuation.....: Not regulated for transport

**14.5 Transport/further information****Postal and courier service:**

German postal dispatch.....: permitted

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

Department MW-G (Hazardous Materials Service), Telefax: +49/(0) 8677/83-5589, Telephone: +49/(0) 8677/83-4950

**15 Regulatory information****15.1 Warning Label (EC)**

R-Phrase	Description
R-	-

  

S-Phrase	Description
S-	-

**Special identification instructions:** Safety data sheet available for professional user on request.

**15.2 National regulations:****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.

**16.2 Further information:**

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version.

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

**Safety Data Sheet**

---

**Material:** 60005542**SILRES® BS 1306**

Version: 4.4 (REG\_EUROPE)

Date of print: 26.12.2007

Date of last alteration: 10.07.2007

---

**Details of international registration status**

Listed on or in accordance with the following inventories:

HSNO - New Zealand  
IECSC - China  
TSCA - USA  
PICCS - Philippines  
ENCS - Japan  
EINECS - Europe  
ECL - Korea  
DSL - Canada  
AICS - Australia