

Safety Data Sheet (91/155/EEC)

Material: 60002688 WACKER® SILICONE FLUID
AK 500

Version: 1.6 (GB) Date of print: 13.02.2006 Date of last alteration: 11.02.2004

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

Commercial product name: WACKER® SILICONE FLUID
AK 500

1.2 Use of substance / preparation:

Industrial.
Raw material for: cosmetics

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

	Telefax	Telephone
Information about the Safety Data Sheet:	+49/8677/83-5590	+49/(0) 8677/83-4888

1.4 Emergency telephone number

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

2 Composition/information on ingredients**2.1 Chemical characterization (substance):**

Chemical characteristics
Polydimethylsiloxane

3 Hazards identification**3.1 Classification:**

R-Phrase	Description
R-	-

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

-

4.2 After inhalation:

No special measures required.

4.3 After contact with the skin:

Wipe off excess material 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. Seek medical advice in case of continuous irritation.

4.5 After swallowing:

No special measures required. In cases of sickness seek medical advice (show label if possible).

5 Fire-fighting measures**5.1 Suitable extinguishing media:**

water mist , extinguishing powder , alcohol-resistant foam , carbon dioxide , sand .

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

water spray , water jet .

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

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5.4 Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air.

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

If material is released indicate risk of slipping.

6.2 Environmental precautions:

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

6.3 Methods for cleaning up:

Take up mechanically and dispose of according to local/state/federal regulations. 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. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.

7 Handling and storage**7.1 Handling****Precautions for safe handling:**

Spilled substance increases risk of slipping.

Precautions against fire and explosion:

Observe the general rules for fire prevention.

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

none known

Advice for storage of incompatible materials:

not applicable

Further information for storage:

Keep container tightly closed.

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:**

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

Personal protection equipment**Respiratory protection:**

not required .

Hand protection:

not required .

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Eye protection:

Recommendation: protective goggles .

8.2.2 Exposure to the environment limited and controlled:

Prevent material from introduction into surface water and into soil.

9 Physical and chemical properties**9.1 General information**Physical state / form.....: liquid
Colour.....: colourless
Odour.....: odourless**9.2 Important information about the protection of health, safety and the environment****Method**
(67/548/EEC):Melting point / melting range.....: -55 °C (-)
Flash point.....: > 275 °C
Ignition temperature: approx. 450 °C (DIN 51794)
Lower explosion limit (LEL).....: not applicable
Upper explosion limit (UEL).....: not applicable
Vapour pressure.....: 19 hPa at 328 °C
Vapour pressure.....: 9,2 hPa at 304 °C
Vapour pressure.....: 5 hPa at 287 °C
Density.....: 0,95 - 0,97 g/cm³ at 25 °C (-)
Water solubility / miscibility.....: virtually insoluble
pH-Value.....: approx. 7
Viscosity (dynamic).....: 495 - 505 mPa*s at 25 °C (-)**9.3 Other information**

Thermal decomposition.....: Decomposition begins at > 250 °C

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

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 . 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:**

According to present experience, the material is neither mutagenic, cancerogenic nor teratogenic. The toxicology results listed below are based on tests with a similar material.

11.1 Toxicological tests**Acute toxicity (LD50/LC50-values relevant to classification):**

Exposition	Value/value range	Species	Source
oral	> 5000 mg/kg	rat	literature
dermal	> 2008 mg/kg	rat (Limit Test)	test report

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Primary irritation:

Exposition	Effect	Species/Testsystem	Source
to skin	not irritating	rabbit	test report
to eyes	mildly irritating	rabbit	test report

Sensitization:

Exposition	Effect	Test method	Species	Source
to skin	not sensitizing	Magnusson-Kligmann	guinea-pig	test report

Further information:

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Reference points for mutagenic (carcinogenic) potential:

Test system	Effect	Source
Bacterial Reverse Mutation Test	not mutagenic	test report

11.2 Experience with man:

Human patch test: Product displays good compatibility with the skin.

12 Ecological information**12.1 Ecotoxicity**

No expected damaging effects to water organisms.

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

According to current knowledge adverse effects on water purification plants are not expected.

12.2 Mobility

Forms thin oil film on surface of water. Absorbed by floating particles. Separation by sedimentation.

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

Biologically not degradable. Polydimethylsiloxanes are degradable to a certain extent in abiotic processes.

Further information:

Elimination by adsorption in activated sludge.

12.4 Bio-accumulation potential**Further information:**

Bioaccumulation is not expected to occur.

12.5 Other harmful effects

-

12.6 Further ecological information**General information:**

No environmental problems expected if handled and treated in accordance with standard industrial practices and local regulations where applicable.

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

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

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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

Marine Pollutant.....: no

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 (Gefahrgut-Service), Telefax: +49/(0) 8677/83-5589, Telephone: +49/(0) 8677/83-4950

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

R-Phrase	Description
R-	-

S-Phrase	Description
S-	-

15.2 National regulations:

SI 2002/1689:	CHIP Regulations 2002
SI 2002/2677:	COSHH Regulations 2002
SI 1999/3242:	Management of Health & Safety at Work Regulations 1999
Health & Safety at Work Act 1974	
SI 1993/1643:	Environmental Protection Act 1993 & 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.

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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
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Details of international registration status

Listed on the following inventories:

HSNO
IECSC
EINECS
ENCS
PICCS
ECL
DSL
TSCA
AICS