

Safety Data Sheet (91/155/EEC)**WACKER® SILICONE FLUID
AK 100**

Version: 1.7 (AUS) data correct as of: 09.10.2006 Date of last alteration: 31.08.2006

NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE ACCORDING TO THE CRITERIA OF NOHSC**1 Identification of the substance/preparation and company****1.1 Name of substance/preparation**Commercial product name: WACKER® SILICONE FLUID
AK 100**1.2 Use of substance / preparation:**Industrial.
Raw material for: cosmetics**1.3 Company name**Manufacturer: Wacker Chemie AG
Street/POB-No.: Hanns-Seidel-Platz 4
State/postal code/city: D 81737 Munchen
Telephone: +498962790
Telefax: +498962791770**1.4 Company name**Distributor: Wacker Chemie AG
Careof Wacker Chemicals Australia Pty Ltd
Street/POB-No.: Unit 18/20 Duerdin Street
State/postal code/city: Clayton North Vic 3168
Telephone: +61 3 9541 8900
Telefax: +61 3 9541 8989**1.5 Australian Emergency Telephone Number:**

Emergency Information: Regulatory Compliance Manager +61 3 9541 8900

Emergency Information (24 Hours): ADT Security - +61 3 9808 7363
Wacker Chemical Spills**2 Composition/information on ingredients****2.1 Chemical characterization (substance):****Chemical characteristics**

Polydimethylsiloxane

2.2 Hazardous ingredients:

EINECS / ELINCS-No.	CAS No.	Material	Content %		Warning Label (EU)	
			from	until	Symbol	R-Phrases
		Non-Hazardous ingredient		100%		

3 Hazards identification**3.0** This chemical is not classified as a Hazardous Substance according to the criteria of NOHSC
This chemical is not classified as a Dangerous Good according to IATA, IMDG & ADG Codes
This chemical is not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) Australia**3.1 Classification:**

R-Phrase	Description
R-	-

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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.

4.3 After contact with the skin:

Wipe off excess material with cloth or paper. 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 HAZCHEM Code (AU):**

not applicable.

5.1 Suitable extinguishing media:

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

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:

not applicable

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. Do not walk through spilled material.

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). Close leak if possible without risk.

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. Apply sand or other inert granular material to improve traction.

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

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Advice for storage of incompatible materials:

not applicable

Further information for storage:

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

8 Exposure controls and personal protection equipment**8.1 Exposure limits****Maximum airborne concentrations at the workplace:**

CAS No.	Material	Type	mg/m ³	ppm	Dust fract.	Fibre/m ³

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 .

Eye protection:

Recommendation: protective goggles .

8.2.2 Exposure to the environment limited and controlled:

Prevent material from entering surface waters and 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 (-)
 Boiling point / boiling range.....: not applicable
 Flash point.....: > 275 °C (ISO 2592)
 Ignition temperature: approx. 450 °C (DIN 51794)
 Lower explosion limit (LEL).....: not applicable
 Upper explosion limit (UEL).....: not applicable
 Vapour pressure.....: 5 hPa at 287 °C
 Vapour pressure.....: 9,2 hPa at 304 °C
 Vapour pressure.....: 19 hPa at 328 °C
 Density.....: 0,95 - 0,97 g/cm³ at 25 °C
 Water solubility / miscibility.....: virtually insoluble
 pH-Value.....: approx. 7
 Viscosity (dynamic).....: 95 - 105 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.

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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 toxicological results listed below are based on tests with similar materials.

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

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.

11.3 Further toxicological information:

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12 Ecological information**12.1 Ecotoxicity**

No expected damaging effects to aquatic 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.

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Further information:

Elimination by adsorption to activated sludge.

12.4 Bio-accumulation potential

Bioaccumulation is not expected to occur.

12.5 Other harmful effects

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12.6 Additional 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:**

Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations.

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.

13.3 Waste Disposal Legislation Ref.No. (EC):

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

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

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15 Regulatory information**15.0 Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) Australia**

This chemical is not classified as a Scheduled Poison

15.1 Warning Label (EU)**R-Phrase Description**

R-

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S-Phrase Description

S-

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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.

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**Details of international registration status**

Listed on the following inventories:

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