

**Safety Data Sheet (1907/2006/EC)**

Material: 70106002                      SPRAY AK 200 ML

Version: 1.14 (GB)                      Date of print: 29.07.2009                      Date of last alteration: 06.12.2008

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

Commercial product name:                      SPRAY AK 200 ML

**1.2 Use of substance / preparation:**                      Industrial.  
release agent**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

<b>Information about the Safety Data Sheet:</b>	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
R12	Extremely flammable.

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

Liquified gas: Liquid flowing out can cause frostbites. The gas is heavier than air, it may collect in low-lying areas.

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

<b>Chemical characteristics</b>
Polydimethylsiloxane + propellant

**3.2 Hazardous ingredients:**

EC-No.	CAS No.	Material	Content %		Warning Label (EC)	
			from	to	Symbol	R-Phrases
203-448-7	106-97-8	Butane	>50,0		F+	12
200-827-9	74-98-6	Propane		<20,0	F+	12
200-857-2	75-28-5	iso-Butane		<5,0	F+	12

R-Phrase	Description
R12	Extremely flammable.
R12	Extremely flammable.
R12	Extremely flammable.

**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:**

Move to fresh air, keep the victim laying down and restful. If breathing has stopped, give artificial respiration. Seek medical advice and clearly identify substance.

**Safety Data Sheet (1907/2006/EC)**Material: 70106002                      **SPRAY AK 200 ML**

Version: 1.14 (GB)                      Date of print: 29.07.2009                      Date of last alteration: 06.12.2008

- 4.3 After contact with the skin:**  
Wash with plenty of water or water and soap. Cover frostbitten body parts by sterile bandage.
- 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:**  
Heating leads to increased pressure and bursting of the container. Cool endangered containers with water. Fight fire from a safe distance.
- 5.1 Suitable extinguishing media:**  
water mist , foam , carbon dioxide , extinguishing powder , sand .
- 5.2 Extinguishing media which must not be used for safety reasons:**  
water jet , water spray .
- 5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**  
Heating may cause explosion. Hazardous combustion products: carbon monoxide , sulfur dioxide , soot , organic decomposition products .
- 5.4 Special protective equipment for fire fighting:**  
Use respiratory protection independent of recirculated air.

**6 Accidental release measures**

- 6.1 Personal precautions:**  
Keep unprotected persons away. Wear personal protection equipment (see section 8). Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin. Ensure adequate ventilation. Observe wind direction.
- 6.2 Environmental precautions:**  
Prevent material from entering sewers or surface waters. Condense gasses/vapours/mists using a directed spray of water.
- 6.3 Methods for cleaning up:**  
Exhaust vapours. Use absorbant materials to pick up residual liquids. Take up mechanically and dispose of according to local/state/federal regulations. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.
- 6.4 Further information:**  
Eliminate all sources of ignition. Consider explosion protection. Observe notes under section 7.

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

Ensure adequate ventilation. Keep away from incompatible substances in accordance with section 10.2.

**Precautions against fire and explosion:**

Do not open sprays violently and do not keep above 50 °C (122 °F) (TRG 300 pos. 6.6.1, par. 1 - German regulations for dangerous goods). Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Vapours heavier than air, therefore inflammable gas mixture may form mainly near floor. Do not use on oxygen instruments. In case of fire remove container out of endangered area. Cool endangered containers with water.

**Safety Data Sheet (1907/2006/EC)**

Material: 70106002 SPRAY AK 200 ML

Version: 1.14 (GB) Date of print: 29.07.2009 Date of last alteration: 06.12.2008

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

Store in a cool place.

**Advice for storage of incompatible materials:**

Do not store with: strong oxidizing agents , peroxides , Fire-promoting materials .

**Further information for storage:**

Keep in the original container in a cool well ventilated place. Protect against sun. Do not expose the product to thermal radiation.

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

CAS No.	Material	Type	mg/m <sup>3</sup>	ppm	Dust fract.	Fibre/m <sup>3</sup>
106-97-8	n-Butane	OEL	1450,0	600,0		

**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. Avoid contact with eyes and skin. Do not eat, drink or smoke when handling. Preventive skin protection recommended.

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

Recommendation: gas mask filter AX . In case of long or strong exposure: positive pressure self contained breathing apparatus .

**Hand protection:**

Recommendation: nitrile rubber protective gloves . Gloves suitable for up to 60 minutes' use.

**Eye protection:**

protective goggles .

**Skin protection:**

Recommendation: 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.....: aerosol  
Colour.....: colourless  
Odour.....: slight**9.2 Important information about the protection of health, safety and the environment** Method (67/548/EEC):Melting point / melting range.....: not applicable  
Boiling point / boiling range.....: not applicable  
Flash point.....: -104 °C  
Ignition temperature .....: approx. 400 °C (DIN 51794)  
Lower explosion limit (LEL).....: approx. 1,5 Vol-%  
Upper explosion limit (UEL).....: approx. 10 Vol-%  
Vapour pressure.....: 2700 hPa at 20 °C  
Vapour pressure.....: 7300 hPa at 50 °C  
Density.....: 0,6 g/cm<sup>3</sup> at 20 °C  
Water solubility / miscibility.....: virtually insoluble  
pH-Value.....: not applicable

**Safety Data Sheet (1907/2006/EC)**Material: 70106002                      **SPRAY AK 200 ML**

Version: 1.14 (GB)                      Date of print: 29.07.2009                      Date of last alteration: 06.12.2008

Viscosity (dynamic).....: not applicable

**9.3 Other information**

Thermal decomposition.....: No decomposition when used according to regulations.

**10 Stability and reactivity****10.0 General information:**

Stable under normal conditions of use.

**10.1 Conditions to avoid:**

Heat, open flames, and other sources of ignition.

**10.2 Materials to avoid:**

Reacts violently with: strong oxidizing agents . Reaction causes the formation of: heat to the point of explosion .

**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. According to our present state of knowledge no damaging effect expected when treated in accordance with standard industrial practices and local regulations where applicable. Data applicable to polymer component.

**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:**

-

**Reference points for mutagenic potential:**

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

**11.2 Experience with man:**

-

**11.3 Further toxicological information:**

Organic solvent(s): Vapours may be narcotising.

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

According to past experience toxicity to fish is improbable.

**Safety Data Sheet (1907/2006/EC)**

Material: 70106002

SPRAY AK 200 ML

Version: 1.14 (GB)

Date of print: 29.07.2009

Date of last alteration: 06.12.2008

**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**

Insoluble in water.

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

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

**Further information:**

Silicone content: Elimination by adsorption to activated sludge.

**12.4 Bio-accumulation potential**

Bioaccumulation is not expected to occur.

**12.5 Other harmful effects**

-

**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:**

Fully empty can. Observe local/state/federal regulations.

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

Pressure gas pack under pressure, must not be forced open or heated above 50 °C (122 °F). Dispose of only completely emptied pressure gas pack. Do not incinerate empty pressure gas packs. Do not pierce, cut or sold uncleaned containers. 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 ADR and RID:****Road ADR:**Valuation.....: Hazardous product  
Class.....: 2.1  
UN no. ....: 1950  
Proper Shipping Name.....: Druckgaspackungen  
Wacker-Transport emergency card.....: 100**Railway RID:**Valuation.....: Hazardous product  
Class.....: 2.1  
UN no. ....: 1950

**Safety Data Sheet (1907/2006/EC)**

Material: 70106002                      **SPRAY AK 200 ML**

Version: 1.14 (GB)                      Date of print: 29.07.2009                      Date of last alteration: 06.12.2008

**14.2 Transport by sea IMDG-Code**

Valuation.....: Hazardous product  
 Class.....: 2.1  
 UN no. ....: 1950  
 Proper Shipping Name.....: Aerosols  
 Marine Pollutant.....: no

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

Valuation.....: Hazardous product  
 Class.....: 2.1  
 UN no. ....: 1950  
 Proper Shipping Name.....: Aerosols, flammable

**14.4 Transport/further information**

**Informing dept. ref. to heading 14. Transport information:**  
 Department Hazardous Materials Service, Telefax: +49/(0) 8677/83-5589, Telephone: +49/(0) 8677/83-4950

**15 Regulatory information**

**15.1 Warning Label (EC)**

	F+	Extremely flammable
--	----	---------------------

R-Phrase	Description
R12	Extremely flammable.

S-Phrase	Description
S2	Keep out of the reach of children.
S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S51	Use only in well-ventilated areas.

**Hazard ingredients (labelling EC):**

CAS No.	Material	Hazard symbols	Risk phrases (EC)
106-97-8	Butane	F+	12
74-98-6	Propane	F+	12

**Special identification instructions:**      Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

**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.

**15.3 Other international regulations**

**Safety Data Sheet (1907/2006/EC)**

---

Material: 70106002

SPRAY AK 200 ML

Version: 1.14 (GB)

Date of print: 29.07.2009

Date of last alteration: 06.12.2008

---

**Details of international registration status**

Listed on or in accordance with the following inventories:

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

**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. This version supersedes all previous versions.

- End of Safety Data Sheet -