

Safety Data Sheet (1907/2006/EC)

Material: Silicon Antischaum US

Version: 1.13 (GB) Date of print: 12.08.2010 Date of last alteration: 04.05.2010

1 Identification of the substance/preparation and company

1.1 Name of substance/preparation

Commercial product name: Silicon Antischaum US

1.2 Use of substance / preparation

Industrial.
defoaming agent

1.3 Company name

Manufacturer/distributor: C. Schliessmann Kellerei-Chemie GmbH & Co.KG
Street/POB-No.: Auwiesenstr. 5
State/postal code/city: D 74523 Schwäbisch Hall
Telephone: +49 791 97191-0
Telefax: +49 791 97191-25

1.4 Emergency telephone number

Emergency Information (German): +49 791 97191-0
Emergency Information (internat.): +49 791 97191-0

2 Hazards identification

2.1 Classification

R-Phrase	Description
R-	-

This product is not a dangerous preparation within the meaning of Directive 1999/45/EC.

3 Composition/information on ingredients

3.1 Chemical characterization (preparation)

Chemical characteristics
Polydimethylsiloxane and auxiliary , (emulsion in water)

3.2 Hazardous ingredients

EC-No.	CAS No.	Material	Content %		Warning Label (EC)	
			from	to	Symbol	R-Phrases
	9005-00-9	alpha-octadecyl-omega-hydroxy-polyglycoether		<5,0	Xi	41

R-Phrase	Description
R41	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.

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).

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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

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.

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).

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

7.0 General information:

Always stir well before use.

7.1 Handling

Precautions for safe handling:

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:

Advice for storage of incompatible materials:

not applicable

Further information for storage:

Protect against sun. Protect against frost.

Minimum temperature allowed during storage and transportation: 0 °C

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8 Exposure controls and personal protection equipment

8.1 Exposure limits

Maximum airborne concentrations at the workplace:
not applicable
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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

Recommendation: Protective gloves made of butyl rubber , nitrile rubber protective gloves .

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.....: white
Odour.....: slight

9.2 Important information about the protection of health, safety and the environment Method

Melting point / melting range.....: no data at hand
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 50 °C
Density.....: approx. 1 g/cm³ at 20 °C (DIN 51757)
Water solubility / miscibility.....: completely miscible
pH-Value.....: 3,0 - 5,0
Viscosity (dynamic).....: 6000 - 30000 mPa.s at 25 °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

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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:

Silicone content: According to present experience, the material is physiologically compatible. According to present experience, the material is neither mutagenic, cancerogenic nor teratogenic.

11.1 Toxicological tests

Acute toxicity (LD50/LC50-values relevant to classification):

Exposition	Value/value range	Species	Source
oral	> 5051 mg/kg	rat (Limit Test)	test report
dermal	> 2000 mg/kg	rat (Limit Test)	test report

Specific symptoms in animal test:

Product is not irritating to skin.

Further information:

-

11.2 Experience with man

-

11.3 Further toxicological information

-

12 Ecological information

12.1 Ecotoxicity

Species	Test method	Exp. time	Result	Source
zebra fish (Brachydanio rerio)	acute	96 h	170 mg/l (LC0)	test report
zebra fish (Brachydanio rerio)	acute	96 h	400 mg/l (LC50)	test report
zebra fish (Brachydanio rerio)	acute	96 h	1000 mg/l (LC100)	test report

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

-

12.3 Persistence and degradability

Biodegradation / further information:

Silicone content: Biologically not degradable.

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

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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:

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

Road ADR:

Valuation.....: Not regulated for transport

Railway RID:

Valuation.....: Not regulated for transport

14.2 Transport by sea IMDG-Code

Valuation.....: Not regulated for transport

14.3 Air transport ICAO-TI/IATA-DGR

Valuation.....: Not regulated for transport

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)

R-Phrase	Description
R-	-

S-Phrase	Description
S-	-

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

15.2 National regulations

National and local regulations must be observed.

SI 2002/1689:	CHIP Regulations 2002
SI 2002/2677:	COSHH Regulations 2002
SI 1999/3242:	Management of Health & Safety at Work Regulations 1999

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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

Details of international registration status

Listed on or in accordance with the following inventories:

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

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 -