

Safety Data Sheet (1907/2006/EC)

Material: 60052804

WACKER® FC 204

Version: 2.1 (GB)

Date of print: 30.08.2013

Date of last alteration: 07.12.2012

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Commercial product name:** WACKER® FC 204**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Industrial.

Use of substance / preparation:
textile auxiliary agent**1.3 Details of the supplier of the safety data sheet**

Manufacturer/distributor: Wacker Chemie AG
Street/POB-No.: Hanns-Seidel-Platz 4
State/postal code/city: D 81737 München
Telephone: +49 89 6279-0
Telefax: +49 89 6279-1770

Information about the Safety Data Sheet: Telephone +49 8677 83-4888
Telefax +49 8677 886-9722
eMail WLCP-MSDS@wacker.com

1.4 Emergency telephone number

Emergency Information: Plant fire brigade +49 8677 83-2222
Emergency Information (internat.): National Response Center +49 621 60-43333

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification (GHS):**

Class	Category	Route of exposure
-	-	

Classification (67/548/EEC, 1999/45/EC):

R-Phrase	Description
R-	-

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

2.2 Label elements**Labelling (GHS):**

H-Code	Hazard Statements
-	-

P-Code	Precautionary Statements
-	-

Special identification instructions:
Safety data sheet available on request.

Labelling (67/548/EEC, 1999/45/EC):

R-Phrase	Description
R-	-

S-Phrase	Description
S-	-

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

Safety Data Sheet (1907/2006/EC)

Material: 60052804

WACKER® FC 204

Version: 2.1 (GB)

Date of print: 30.08.2013

Date of last alteration: 07.12.2012

2.3 Other hazards

Inhalation of aerosol spray may damage health.

SECTION 3: Composition/information on ingredients**3.1 Substances**

not applicable

3.2 Mixtures**3.2.1 Chemical characterization (preparation)**

Polydimethylsiloxane with aminoalkyl groups (emulsion in water)

3.2.2 Hazardous ingredients

Type	CAS No.	EC-No. REACH no.	Material	Content %	Classification*	Comment
INHA	340795-93-9		Polydimethylsiloxane with functional groups	<20	Xi; R38-41 Eye Dam. 1; H318 Skin Irrit. 2; H315	[1]
INHA	112-34-5	203-961-6	Diethyleneglycol monobutylether	<20	Xi; R36 Eye Irrit. 2; H319	[1]

Type: INHA: ingredient, VERU: impurity

[1] = Hazardous or environmentally harmful substance; [2] = substance with a Community workplace exposure limit; [3] = PBT substance; [4] = vPvB substance; [5] = SVHC-candidate (substance of very high concern).

*Classification codes are explained in section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

-

After inhalation:

Provide fresh air. In cases of sickness seek medical advice (show label or SDS if possible).

After contact with the skin:

Wash with plenty of water or soap and water; immediately remove all contaminated clothing. Seek medical advice in case of continuous irritation.

After contact with the eyes:

Rinse immediately with plenty of water for 10-15 minutes and seek medical advice.

After swallowing:

If conscious, give several small portions of water to drink. Seek medical advice immediately and produce the label or packaging.

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3 Indication of any immediate medical attention and special treatment needed

No data are available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media:**

not applicable .

Safety Data Sheet (1907/2006/EC)

Material: 60052804

WACKER® FC 204

Version: 2.1 (GB)

Date of print: 30.08.2013

Date of last alteration: 07.12.2012

Extinguishing media which must not be used for safety reasons:

not applicable .

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: sulfur dioxide

5.3 Advice for firefighters**Special protective equipment for fire fighting:**

Use respiratory protection independent of recirculated air.

General information:

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

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Avoid inhaling mists and vapours.

6.2 Environmental precautions

Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

6.3 Methods and material for containment and cleaning up

Take up mechanically and dispose of according to local/state/federal regulations. 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.

6.4 Reference to other sections

Relevant information in other sections have to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

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

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

Precautions against fire and explosion:

No special precautions against fire and explosion required.

7.2 Conditions for safe storage, including any incompatibilities**Conditions for storage rooms and vessels:**

Protect against frost.

Advice for storage of incompatible materials:

not applicable

Further information for storage:

Protect against sun.

Minimum temperature allowed during storage and transportation: 0 °C**7.3 Specific end use(s)**

No data are available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

Safety Data Sheet (1907/2006/EC)

Material: 60052804

WACKER® FC 204

Version: 2.1 (GB)

Date of print: 30.08.2013

Date of last alteration: 07.12.2012

Maximum airborne concentrations at the workplace:

CAS No.	Material	Type	mg/m ³	ppm	Dust fract.	Fibre/m ³
-	Aerosol - respirable fraction		10,0			

The aerosol limit specified is a recommendation should aerosol be formed during processing.

8.2 Exposure controls

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:

Avoid contact with eyes and skin. Do not eat or drink when handling. Do not inhale gases/vapours/aerosols.

Personal protection equipment:

Respiratory protection

not required . In case of aerosol- or mist formation use respiratory protection.

Hand protection

Recommendation: PVC gloves , rubber gloves . Gloves suitable for up to 60 minutes' use.

Eye protection

protective goggles .

8.2.2 Exposure to the environment limited and controlled

Prevent material from entering surface waters and soil. Do not introduce large amounts into purification plants.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General information:

Physical state / form: liquid
 Colour: colourless to yellowish
 Odour: slight

Important information about the protection of health, safety and the environment:

Property:	Value:	Method:
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 ³ at 20 °C	(DIN 51757)
Water solubility / miscibility.....	completely miscible at 20 °C	
pH-Value	approx. 5	(Indicator strips)
Viscosity (dynamic)	approx. 10 mPa.s at 25 °C	

9.2 Other information

Thermal decomposition.....: 100 °C

SECTION 10: Stability and reactivity

10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this section.

10.4 Conditions to avoid

none known

Safety Data Sheet (1907/2006/EC)

Material: 60052804

WACKER® FC 204

Version: 2.1 (GB)

Date of print: 30.08.2013

Date of last alteration: 07.12.2012

10.5 Incompatible materials

none known

10.6 Hazardous decomposition products

If stored and handled properly: 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.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****11.1.1 Acute toxicity****Assessment:**

Inhalable aerosols containing aminofunctional polysiloxanes may cause harmful effects in the lung in animal experiments. Due to the large number of influencing parameters (e.g. amine function, degree of substitution, viscosity, composition) an estimation of the toxicological effect on the lung is not possible for untested products of this category. In such cases exposure to inhalable aerosols must be prevented by adequate technical measures. Based on the available data acute toxic effects are not expected after single oral exposure.

Product details:

Route of exposure	Result/Effect	Species/Test system	Source
oral	LD ₅₀ : > 2000 mg/kg	rat	test report

11.1.2 Skin corrosion/irritation**Assessment:**

Based on the available data a clinically relevant skin irritation hazard is not expected.

Product details:

Result/Effect	Species/Test system	Source
not irritating	rabbit	test report

11.1.3 Serious eye damage / eye irritation**Assessment:**

After contact to the eyes mild irritation are to be expected.

Product details:

Result/Effect	Species/Test system	Source
mildly irritating	rabbit	test report

11.1.4 Respiratory or skin sensitization**Assessment:**

Based on the available data a sensitization reaction is not expected from this product.

Product details:

Route of exposure	Result/Effect	Species/Test system	Source
dermal	not sensitizing	guinea-pig; Magnusson-Kligman	test report OECD 406

11.1.5 Germ cell mutagenicity**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

11.1.6 Carcinogenicity**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

Safety Data Sheet (1907/2006/EC)

Material: 60052804

WACKER® FC 204

Version: 2.1 (GB)

Date of print: 30.08.2013

Date of last alteration: 07.12.2012

11.1.7 Reproductive toxicity**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

11.1.8 Specific target organ toxicity (single exposure)**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

11.1.9 Specific target organ toxicity (repeated exposure)**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

11.1.10 Aspiration hazard**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

SECTION 12: Ecological information**12.1 Toxicity****Product details:**

Result/Effect	Species/Test system	Source
LC ₅₀ : 55 mg/l	static rainbow trout (<i>Oncorhynchus mykiss</i>) (96 h)	test report
EC ₅₀ : > 100 mg/l	static Daphnia magna (48 h)	test report

12.2 Persistence and degradability**Assessment:**

Silicone content: Elimination by adsorption to activated sludge. Biologically not degradable. Emulsifier: Readily biologically degradable.

Product details:**BOD5/COD**

Result	Source
BOD5-Value: 30 mg O ₂ /l Substance	test report
COD-Value: 405,1 mg O ₂ /g Substance	test report

12.3 Bioaccumulative potential**Assessment:**

Bioaccumulation is not expected to occur.

12.4 Mobility in soil**Assessment:**

No data known.

12.5 Results of PBT and vPvB assessment

No data are available.

12.6 Other adverse effects

none known

Safety Data Sheet (1907/2006/EC)

Material: 60052804

WACKER® FC 204

Version: 2.1 (GB)

Date of print: 30.08.2013

Date of last alteration: 07.12.2012

SECTION 13: Disposal considerations**13.1 Waste treatment methods****13.1.1 Material**

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

13.1.2 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.

13.1.3 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.

SECTION 14: Transport information**14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group****Road ADR:**

Valuation: Not regulated for transport

Railway RID:

Valuation: Not regulated for transport

Transport by sea IMDG-Code:

Valuation: Not regulated for transport

Air transport ICAO-TI/IATA-DGR:

Valuation: Not regulated for transport

14.5 Environmental hazards

Hazardous to the environment: no

14.6 Special precautions for user

Relevant information in other sections have to be considered.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Bulk transport in tankers is not intended.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

Relevant 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.

15.2 Chemical safety assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

Safety Data Sheet (1907/2006/EC)

Material: 60052804

WACKER® FC 204

Version: 2.1 (GB)

Date of print: 30.08.2013

Date of last alteration: 07.12.2012

15.3 Other international regulations**Details of international registration status:**

Listed on or in accordance with the following inventories:

EINECS - Europe

PICCS - Philippines

TSCA - USA

SECTION 16: Other information**16.1 Material**

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

All deliveries are subject to the WACKER SILICONES Health Care Policy, which is available at www.wacker.com.

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.

Explanation of the GHS classification code:

Eye Dam. 1; H318: Serious eye damage / eye irritation Category 1; Causes serious eye damage.

Skin Irrit. 2; H315: Skin corrosion/irritation Category 2; Causes skin irritation.

Eye Irrit. 2; H319: Serious eye damage / eye irritation Category 2A; Causes serious eye irritation.

R-Phrase	Description
R38 R41	Irritating to skin. Risk of serious damage to eyes.
R36	Irritating to eyes.

- End of Safety Data Sheet -