



Safety Data Sheet according to (EC) No 1907/2006

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BC repair nourishing treatment

SDS No. : 535121
V001.0

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

BC repair nourishing treatment

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use:

Hair Treatment, rinse-off

1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA

Düsseldorf Germany

Henkelstr. 67

40191 Düsseldorf

Phone: +49 211-797-0

E-mail address of person responsible for Safety Data Sheet:

Henkel Cosmetics, e-mail : Elisabeth.Poppe@henkel.com

1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

Further information is available at Poison Control Centers.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.2. Label elements (CLP)

Remarks:

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

SECTION 3: Composition/information on ingredients

3.1. Substances

3.2. Mixtures

Hazardous substances according to CLP (EC) No 1272/2008:

Hazardous substances CAS-No.	EINECS	REACH-Reg No.	Content	Classification
Decamethylcyclopentasiloxane 541-02-6	208-764-9	01-2119511367-43	>= 2,5- < 10 %	H413 Chronic hazards to the aquatic environment 4
2-Hydroxy-3-[(1- oxodocosyl)oxy]propyltrimethylammonium chloride 69537-38-8	274-033-6		>= 1- < 5 %	H315 Skin irritation 2; Dermal
Fatty acids, C12-20, reaction products with triethanolamine, di-Me sulfate-quaternized 91032-11-0	293-018-5		>= 1- < 2,5 %	H400 Acute hazards to the aquatic environment 1

For full text of the H - Phrases indicated by codes only see Section 16 "Other information".

SECTION 4: First aid measures**4.1. Description of first aid measures**

General information:

In case of adverse health effects seek medical advice.

Inhalation:

not relevant.

Skin contact:

Rinse with water. Take off all clothing contaminated by the product.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion:

Rinse the mouth. Drink 1-2 glasses of water.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media:

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

None known

5.2. Special hazards arising from the substance or mixture

The release of following substances is possible in case of fire:

carbon oxides.

nitrogen oxides

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective equipment.

Additional information:

Dispose of combustion residues and contaminated fire-fighting water in accordance with statutory regulations.

Collect contaminated fire fighting water separately. It must not enter drains.

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

No information.

6.2. Environmental precautions

Do not allow to enter drainage system, surface or ground water of not diluted product.
Do not dispose of in wastepaper bin or trash-can.

6.3. Methods and material for containment and cleaning up

Dilute small quantities with large amount of water and rinse.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling advice:

No particular measures required.

Fire and explosion protection information:

No special measures required if used properly.

Hygiene measures:

Do not eat, drink or smoke while working.

Immediately remove soiled or soaked clothing.

Wash hands before work breaks and after finishing work.

Keep away from food, beverages and animal feed.

7.2. Conditions for safe storage, including any incompatibilities

Store in sealed original container protected against moisture.

Store far from foodstuffs.

7.3. Specific end use(s)

Hair Treatment, rinse-off

SECTION 8: Exposure controls/personal protection

Only relevant for professional/industrial use

8.1. Control parameters

Valid for

Germany

Contains no components with occupational exposure limit values.

8.2. Exposure controls

Engineering controls:

Ensure good ventilation/suction at the workplace.

Respiratory protection:

Not needed.

Hand protection:

For the contact with product protective gloves made from Spezial-Nitril (material thickness > 0.1 mm, break through time > 480 min class 6) are recommended according to EN 374. In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. We recommend to change single-use protective gloves periodical and a hand care plan in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Manufacturer e.g. German company KCL, type Dermatril.

Eye protection:

Protective goggles

Skin protection:
Suitable protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

The following data apply to the whole mixture:

Appearance	emulsion thixotropic white
Odor	floral
pH (20 °C (68 °F))	3,00 - 4,00
Initial boiling point	Not applicable
Flash point	Not applicable
Decomposition temperature	Not applicable
Vapour pressure	Not applicable
Density (20 °C (68 °F))	0,980 - 1,020 g/cm ³
Bulk density	Not applicable
Viscosity (Brookfield; Instrument: RVT; 20 °C (68 °F); speed of rotation: 20 min-1; Spindle No: 5)	12.000 - 33.000 mPa.s
Viscosity (kinematic)	Not applicable
Explosive properties	Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Miscible
Solidification temperature	Not applicable
Melting point	Not applicable
Flammability	Not applicable
Auto-ignition temperature	Not applicable
Explosive limits	Not applicable
Partition coefficient: n-octanol/water	Not applicable
Evaporation rate	Not applicable
Vapor density	Not applicable
Oxidising properties	Not applicable
Container pressure	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

None if used for intended purpose.

10.2. Chemical stability

None known.

10.3. Possibility of hazardous reactions

See section reactivity

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information**Acute oral toxicity:**

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Decamethylcyclopentasiloxane 541-02-6 Fatty acids, C12-20, reaction products with triethanolamine, di-Me sulfate-quaternized 91032-11-0	LD50	> 5.000 mg/kg	oral oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute dermal toxicity:

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Decamethylcyclopentasiloxane 541-02-6 Fatty acids, C12-20, reaction products with triethanolamine, di-Me sulfate-quaternized 91032-11-0	LD50	> 2.000 mg/kg	dermal dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

Acute inhalative toxicity:

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Fatty acids, C12-20, reaction products with triethanolamine, di-Me sulfate-quaternized 91032-11-0			inhalation			

Skin corrosion/irritation:

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Decamethylcyclopentasiloxane 541-02-6	not irritating	24 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Decamethylcyclopentasiloxane 541-02-6	not irritating	24 h	rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous substances CAS-No.	Result	Test type	Species	Method
Decamethylcyclopentasiloxane 541-02-6	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Decamethylcyclopentasiloxane 541-02-6	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
2-Hydroxy-3-[(1-oxodocosyl)oxy]propyltrimethylammonium chloride 69537-38-8	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test

No data available.

Reproductive toxicity:

No data available.

SECTION 12: Ecological information**12.1. Toxicity**

The ecological evaluation of the product is based on data from the raw material and/or comparable substances.

Toxicity (Fish):

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Decamethylcyclopentasiloxane 541-02-6	LC50		Fish		Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
2-Hydroxy-3-[(1-oxodocosyl)oxy]propyltrimethylammonium chloride 69537-38-8	NOEC	3 mg/l	Fish	30 h	Brachydanio rerio (new name: Danio rerio)	OECD 210 (fish early lite stage toxicity test)

Toxicity (Daphnia):

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Decamethylcyclopentasiloxane 541-02-6	EC50		Daphnia		Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2-Hydroxy-3-[(1-oxodocosyl)oxy]propyltrimethylammonium chloride 69537-38-8	EC50	270 mg/l	Daphnia	24 h	Daphnia magna	
Fatty acids, C12-20, reaction products with triethanolamine, di-Me sulfate-quaternized 91032-11-0	EC50	0,52 mg/l	Daphnia	48 h	Daphnia magna	

Toxicity (Algae):

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Decamethylcyclopentasiloxane 541-02-6	NOEC		Algae		Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

12.2. Persistence and degradability

Hazardous substances CAS-No.	ResultValue	Route of application	Degradability	Method
Decamethylcyclopentasiloxane 541-02-6		aerobic	0,14 %	OECD Guideline 310 (Ready BiodegradabilityCO2 in Sealed Vessels (Headspace Test))
2-Hydroxy-3-[(1-oxodocosyl)oxy]propyltrimethylammonium chloride 69537-38-8	readily biodegradable, but failing 10-day window	aerobic	67 - 76 %	EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test)
Fatty acids, C12-20, reaction products with triethanolamine, di-Me sulfate-quaternized 91032-11-0		aerobic	94 %	ISO 10708 (BODIS-Test)

12.3. Bioaccumulative potential

Hazardous substances CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Method
Decamethylcyclopentasiloxane 541-02-6		7.060	35 d	Pimephales promelas	OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)

12.4. Mobility in soil

Hazardous substances CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Decamethylcyclopentasiloxan e 541-02-6	8,023				25,3 °C	OECD Guideline 123 (Partition Coefficient (1-Octanol / Water), Slow-Stirring Method)

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or vPvB.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product disposal:
Consider national regulations.

SECTION 14: Transport information**14.1. UN number**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.2. UN proper shipping name

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.3. Transport hazard class(es)

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.4. Packing group

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.5. Environmental hazards

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.6. Special precautions for user

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

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

National regulations/information (Germany):

WGK: 2, water-endangering product. (German VwVwS of May 17, 1999)
Classification in conformity with the calculation method
Storage class according to TRGS 510: 10

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H315 Causes skin irritation.

H400 Very toxic to aquatic life.

H413 May cause long lasting harmful effects to aquatic life.

Further information:

This information is not related to the use of the product, it is based on our current level of knowledge.