



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

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BC Moisture Spray Conditioner

SDS No. : 474877  
V001.0

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

#### 1.1. Product identifier

BC Moisture Spray Conditioner

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

Intended use:

Spray Treatment, leave on

#### 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

##### Classification according to Regulation (EC) No 1272/2008 (CLP):

Chronic hazards to the aquatic environment Category 3

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements (CLP)

**Hazard statement:** H412 Harmful to aquatic life with long lasting effects.

**Precautionary statement: Prevention** P273 Avoid release to the environment.

**Precautionary statement: Disposal** P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

### 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
Polyquaternium-16 is a polymeric quaternary ammonium salt formed from methylvinylimidazolium chloride and vinylpyrrolidone. 95144-24-4			>= 0,25- < 1 %	H400 Acute hazards to the aquatic environment 1 H410 Chronic hazards to the aquatic environment 1
Cetrimonium chloride 112-02-7	203-928-6	01-2119970558-23	>= 0,1- < 0,25 %	H302 Acute toxicity 4; Oral H314 Skin corrosion 1C H400 Acute hazards to the aquatic environment 1 H410 Chronic 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 empty into drains / surface water / ground water.  
Inform authorities in the event of product spillage to water courses or sewage systems.

**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)**

Spray Treatment, leave on

**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	liquid turbid white, light yellow
Odor	floral, fresh
pH (20 °C (68 °F))	3,0 - 3,3
Initial boiling point	Not applicable
Flash point	Not applicable
Decomposition temperature	Not applicable
Vapour pressure	Not applicable
Density (20 °C (68 °F))	0,980 - 1,010 g/cm <sup>3</sup>
Bulk density	Not applicable
Viscosity	Not applicable
Viscosity (kinematic)	Not applicable
Explosive properties	Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Partially soluble
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	LD50	> 5.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
Cetrimonium chloride 112-02-7	LD50	500 mg/kg	oral		rat	OECD Guideline 420 (Acute Oral Toxicity)

**Acute dermal toxicity:**

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Decamethylcyclopentasiloxane 541-02-6	LD50	> 2.000 mg/kg	dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

**Acute inhalative toxicity:**

No data available.

**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)
Cetrimonium chloride 112-02-7	highly irritating		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)
Cetrimonium chloride 112-02-7	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

**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)
Cetrimonium chloride 112-02-7	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		
Decamethylcyclopentasiloxane 541-02-6	negative	inhalation		rat	OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo)

**Repeated dose toxicity**

Hazardous substances CAS-No.	ResultValue	Route of application	Exposure time / Frequency of treatment	Species	Method
Decamethylcyclopentasiloxane 541-02-6					
Cetrimonium chloride 112-02-7	100 mg/kg	oral: gavage	28 days once daily, 5 times a week	rat	EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral))

**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)
Polyquaternium-16 is a polymeric quaternary ammonium salt formed from methylvinylimidazolium chloride and vinylpyrrolidone. 95144-24-4	LC50	> 0,1 - 1 mg/l	Fish	96 h	Leuciscus idus	DIN 38412-15
Cetrimonium chloride 112-02-7	NOEC	0,25 mg/l	Fish	30 d	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)
Polyquaternium-16 is a polymeric quaternary ammonium salt formed from methylvinylimidazolium chloride and vinylpyrrolidone. 95144-24-4	EC50	> 0,1 - 1 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Cetrimonium chloride 112-02-7	EC50	0,09 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

**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)
Polyquaternium-16 is a polymeric quaternary ammonium salt formed from methylvinylimidazolium chloride and vinylpyrrolidone. 95144-24-4	EC50	> 0,1 - 1 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
Cetrimonium chloride 112-02-7	EC50	0,08 mg/l	Algae	72 h	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
Decamethylcyclopentasiloxan e 541-02-6		aerobic	0,14 %	OECD Guideline 310 (Ready BiodegradabilityCO <sub>2</sub> in Sealed Vessels (Headspace Test))
Polyquaternium-16 is a polymeric quaternary ammonium salt formed from methylvinylimidazolium chloride and vinylpyrrolidone. 95144-24-4	not inherently biodegradable	aerobic	20 - 70 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
Cetrimonium chloride 112-02-7	readily biodegradable		95 %	OECD Guideline 301 B (Ready Biodegradability: CO <sub>2</sub> Evolution Test)

**12.3. Bioaccumulative potential**

Hazardous substances CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Method
Decamethylcyclopentasiloxan e 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)
Cetrimonium chloride 112-02-7	3,23					

**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:

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
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.

