



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

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BC Color Freeze Rich Shampoo

SDS No. : 517256

V001.0

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

1.1. Product identifier

BC Color Freeze Rich Shampoo

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

Intended use:

Shampoo

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):

Skin irritation Category 2

Causes skin irritation.

Serious eye irritation Category 2

Causes serious eye irritation.

2.2. Label elements (CLP)

Hazard pictogram:



Signal word:	Warning
Hazard statement:	H315 Causes skin irritation. H319 Causes serious eye irritation.
Precautionary statement:	Thorough skin-cleansing after handling the product.
Prevention	P280 Wear eye protection/face protection. P280 Wear protective gloves.
Precautionary statement:	P332+P313 If skin irritation occurs: Get medical advice/attention.
Response	P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.

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
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	500-234-8	01-2119488639-16	>= 10- < 20 %	H315 Skin irritation 2; Dermal H318 Serious eye damage 1 H412 Chronic hazards to the aquatic environment 3
Lactic acid 79-33-4	201-196-2	01-2119474164-39	>= 1- < 3 %	H315 Skin irritation 2; Dermal H318 Serious eye damage 1
1-Propanaminium, 3-amino-N- (carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts 61789-40-0	263-058-8	01-2119488533-30 01-2119489410-39	>= 1- < 2,5 %	H318 Serious eye damage 1 H412 Chronic hazards to the aquatic environment 3
Alcohols, C12-14, ethoxylated 68439-50-9		01-2119487984-16	>= 0,25- < 1 %	H318 Serious eye damage 1 H400 Acute hazards to the aquatic environment 1 H412 Chronic hazards to the aquatic environment 3

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 running water and soap.
Take off all clothing contaminated by the product.
If necessary, see a dermatologist.

Eye contact:
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

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

Hydrogen chloride.

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

Wear protective equipment.

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

Remove with liquid-absorbing material (chemical binder)

Dilute small quantities with large amount of water and rinse.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling advice:

Avoid skin and eye contact.

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)
Shampoo**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 viscous, pearlescent Pearl/light pink
Odor	oriental, powdery
pH (20 °C (68 °F))	4,4 - 4,7
Initial boiling point	Not applicable
Flash point	Not applicable
Decomposition temperature	Not applicable
Vapour pressure	Not applicable
Density (20 °C (68 °F))	1,02 - 1,05 g/cm ³
Bulk density	Not applicable
Viscosity (Haake; Instrument: Haake VT 550; 20 °C (68 °F); Rotary measuring system: MV II)	7.000 - 12.000 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
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	LD50	> 2.000 - 5.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
Lactic acid 79-33-4	LD50	3.730 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
1-Propanaminium, 3- amino-N- (carboxymethyl)-N,N- dimethyl-, N-coco acyl derivs., hydroxides, inner salts 61789-40-0	LD50	6.400 mg/kg	oral		rat	
Alcohols, C12-14, ethoxylated 68439-50-9	LD50	5.600 mg/kg	oral		rat	

Acute dermal toxicity:

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	LD50	> 2.000 mg/kg	dermal		rat	OECD Guideline 402 (Acute Dermal Toxicity)

Acute inhalative toxicity:

No data available.

Skin corrosion/irritation:

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Lactic acid 79-33-4	irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
1-Propanaminium, 3- amino-N- (carboxymethyl)-N,N- dimethyl-, N-coco acyl derivs., hydroxides, inner salts 61789-40-0	moderately irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	highly irritating	24 h	rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
1-Propanaminium, 3- amino-N- (carboxymethyl)-N,N- dimethyl-, N-coco acyl derivs., hydroxides, inner salts 61789-40-0	highly irritating	24 h	rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Alcohols, C12-14, ethoxylated 68439-50-9	highly irritating	24 h	rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous substances CAS-No.	Result	Test type	Species	Method
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	not sensitising	Guinea pig maximisat ion test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
1-Propanaminium, 3- amino-N- (carboxymethyl)-N,N- dimethyl-, N-coco acyl derivs., hydroxides, inner salts 61789-40-0	not sensitising	Guinea pig maximisat ion test	guinea pig	Magnusson and Kligman Method

Germ cell mutagenicity:

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts 61789-40-0	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Alcohols, C12-14, ethoxylated 68439-50-9	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	negative	oral: gavage		mouse	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)

Repeated dose toxicity

Hazardous substances CAS-No.	ResultValue	Route of application	Exposure time / Frequency of treatment	Species	Method
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	225 mg/kg	oral: gavage	90 daysonce daily, 5 times a week	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Lactic acid 79-33-4					
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts 61789-40-0	1.000 mg/kg	oral: gavage	28 days1 x/day, 5 x/week	rat	EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral))
Alcohols, C12-14, ethoxylated 68439-50-9					

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
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	LC50	7,9 mg/l	Fish	48 h	Leuciscus idus	DIN 38412-15
Lactic acid 79-33-4	LC50	320 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts 61789-40-0	LC50	6,7 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	ISO 7346-1 (Determination of the Acute Lethal Toxicity of Substances to a Freshwater Fish [Brachydanio rerio Hamilton-Buchanan (Teleostei, Cyprinidae)])
Alcohols, C12-14, ethoxylated 68439-50-9	LC50	1,5 mg/l	Fish	48 h	Leuciscus idus	DIN 38412-15

Toxicity (Daphnia):

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	EC50	79 mg/l	Daphnia	24 h	Daphnia magna	
Lactic acid 79-33-4	EC50	240 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts 61789-40-0	EC50	3,7 mg/l	Daphnia	24 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Alcohols, C12-14, ethoxylated 68439-50-9	EC50	2,5 mg/l	Daphnia	24 h	Daphnia magna	

Toxicity (Algae):

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	EC50	2,6 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
Lactic acid 79-33-4	NOEC	1,9 g/l	Algae	70 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts 61789-40-0	EC50	2,6 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Alcohols, C12-14, ethoxylated 68439-50-9	NOEC	> 0,1 - 1 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09

12.2. Persistence and degradability

Hazardous substances CAS-No.	ResultValue	Route of application	Degradability	Method
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	readily biodegradable	aerobic	77 - 79 %	EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test)
Lactic acid 79-33-4	readily biodegradable		> 60 %	OECD 301 A - F
1-Propanaminium, 3-amino- N-(carboxymethyl)-N,N- dimethyl-, N-coco acyl derivs., hydroxides, inner salts 61789-40-0	readily biodegradable	aerobic	86 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Alcohols, C12-14, ethoxylated 68439-50-9	readily biodegradable	aerobic	78 - 79 %	EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test)

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Hazardous substances CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	0,3				23 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Lactic acid 79-33-4	-0,62					OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC 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)
Storage class according to TRGS 510:	Classification in conformity with the calculation method 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.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Further information:

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

