Safety Data Sheet according to Regulation (EC) No1907/2006

SDS No. : 1250
V004.4

Perwoll mit ReNew+ Color Effekt

Revision: 16.01.2014
printing date: 13.02.2017

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

1.1. Product identifier
Perwoll mit ReNew+ Color Effekt

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

1.3. Details of the supplier of the safety data sheet
Henkel Wasch- und Reinigungsmittel GmbH
Henkelstr. 67
D-40589 Düsseldorf
Phone: ++49 (0)211-797 0

SDB.HenkelWM@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.

The product is notified at the 'Information Centers for Cases of Poisoning in Germany'. These centers provide information by telephone day and night in poisoning cases. Central emergency phone number: ++49 (0) 30 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 1999/45/EC (DPD):
No toxicological classification.
No environmental classification

2.2. Label elements

Label elements (DPD):
Safety phrases:
S2 Keep out of the reach of children.

2.3. Other hazards
None if used properly.

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	>= 1- < 3,5 %	Skin irritation 2; Dermal H315 Serious eye damage/eye irritation 1 H318 Chronic hazards to the aquatic environment 3 H412
Alcohols, C12-18, ethoxylated 68213-23-0			>= 1- < 3,5 %	Acute toxicity 4 H302 Serious eye damage 1 H318 Chronic hazards to the aquatic environment 3 H412
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	270-115-0	*	>= 1- < 3 %	Acute toxicity 4; Oral H302 Skin irritation 2 H315 Serious eye damage 1 H318 Chronic hazards to the aquatic environment 3 H412
Boric acid 10043-35-3	233-139-2	01-2119486683-25	>= 0,1- < 1 %	Toxic to reproduction 1B H360FD

*exempted according to REACH article 2(7) and Annex V. Each starting material of the ionic mixture is registered, as required.

Until 1. June 2015 hazard classification according to Regulation (EC) No 1272/2008 (CLP) for ingredients is provided, if respective information is available already. No information on hazard classification does not imply that the respective ingredient is not classified. If no information on classification according to Regulation (EC) No 1272/2008 (CLP) is provided, please refer to hazard classification according to Directive 67/548/EEC.

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

Hazardous substances according to DPD (EC) No 1999/45:

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	>= 1 - < 3,5 %	Xi - Irritant; R38, R41
Alcohols, C12-18, ethoxylated 68213-23-0			>= 1 - < 3,5 %	Xn - Harmful; R22 Xi - Irritant; R41
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	270-115-0	*	>= 1 - < 3 %	Xn - Harmful; R22 Xi - Irritant; R38, R41
Boric acid 10043-35-3	233-139-2	01-2119486683-25	>= 0,1 - < 1 %	Toxic for reproduction - category 2.; R60, R61

*exempted according to REACH article 2(7) and Annex V. Each starting material of the ionic mixture is registered, as required.

For full text of the R - 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:
Move to fresh air. In case of breathing difficulties seek immediate medical advise.

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 mouth with water, (only if the person is conscious).
Do not induce vomiting, seek medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed
After inhalation: Irritation of the respiratory tract, coughing. Inhalation of larger amounts may cause laryngospasm with shortness of breath.

After skin contact: Temporary irritation of the skin (redness, swelling, burning).

After eye contact: Temporary irritation of the eyes (redness, swelling, burning, watering eyes).

After ingestion: Ingestion may cause irritation of mouth, throat, digestive tract, diarrhoe and vomiting. Vomit may get into the lungs causing damage (aspiration).

4.3. Indication of any immediate medical attention and special treatment needed
After inhalation: No special action.
After skin contact: No special action.
After eye contact: No special action.
After ingestion: Do not induce vomiting. Single adminstration of a non-carbonated beverage (water or tea).
After ingestion: In case of ingestion of larger or unkown quantities administer a defoamer (Dimeticon or Simeticon).

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Water spray jet (if possible, avoid full jet). Adapt the fire-fighting measures to the environmental conditions. Commercially available extinguishers are suitable for fighting incipient fires. The product itself does not burn.

Extinguishing media which must not be used for safety reasons:
None

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products can be formed by pyrolysis and/or carbon monoxide.

5.3. Advice for firefighters
Use personal protective equipment and self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Danger of slipping on spilled product.
Avoid contact with skin and eyes.
Ensure adequate ventilation.

6.2. Environmental precautions
Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up
Remove mechanically. Rinse away residue with plenty of water.

6.4. Reference to other sections
See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No special measures required if used properly.

Hygiene measures:

Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water and soap, skin care.
Protective equipment only required in case of industrial use or for large packs (not for household packs)

7.2. Conditions for safe storage, including any incompatibilities

Store dry at between +5 and +40°C.
Consider national regulations.

7.3. Specific end use(s)

special detergent

SECTION 8: Exposure controls/personal protection

Only relevant for professional/industrial use

8.1. Control parameters

Valid for
Germany

Ingredient	ppm	mg/m³	Type	Category	Remarks
Boric acid 10043-35-3		0,5	AGW:	2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
Boric acid 10043-35-3			Short Term Exposure Classification:	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900

8.2. Exposure controls

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 glovesmust always be checked for their sultability 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 singeleuse 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.

Eye protection:
Wear tight fitting goggles.

Skin protection:
Protective clothing against chemicals. Observe manufacturer's instructions.

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, turbid white
Odor	floral
pH (20 °C (68 °F); Conc.: 100 % product; Solvent: None)	8,20 - 8,60
Initial boiling point	Not applicable
Flash point	No flash point up to 100°C. Aqueous preparation.
Decomposition temperature	Not applicable
Vapour pressure	Not applicable
Density (20 °C (68 °F))	1,03 - 1,035 g/cm3
Bulk density	Not applicable
Viscosity (Brookfield; Instrument: LVDV II+; 20 °C (68 °F); speed of rotation: 30,0 min-1; Spindle No: 31; Conc.: 100 % product; Solvent: None)	320 - 620 mPa.s
Viscosity (kinematic)	Not applicable
Explosive properties	Not applicable
Solubility (qualitative)	Not applicable
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

9.2. Other information

Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

None if used for intended purpose.

10.2. Chemical stability

Stable under normal conditions of temperature and pressure.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

No decomposition if used according to specifications.

10.5. Incompatible materials

None if used properly.

10.6. Hazardous decomposition products

No decomposition if used according to specifications.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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			oral			
Alcohols, C12-18, ethoxylated 68213-23-0	Acute toxicity estimate (ATE) LD50 LD50	500 mg/kg > 2.000 mg/kg 500 - 2.000 mg/kg	oral oral		rat rat	Expert judgement OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 401 (Acute Oral Toxicity)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	LD50	1.080 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
Boric acid 10043-35-3	LD50	> 4.000 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			dermal			
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	LD50	> 2.000 mg/kg	dermal		rat	OECD Guideline 402 (Acute Dermal Toxicity)

Acute inhalative 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			inhalation			

Skin corrosion/irritation:

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Alcohols, C12-18, ethoxylated 68213-23-0	moderately irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	Category 2 (irritant)	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

The preparation is classified on basis of the AISE-Guideline for application of Directive 1999/45/EC, Issue of November 2008. Relevant health information for the substances listed under Section 3 is provided in the following.

The product has not to be classified and labeled as irritant to eyes based on data of a modified OECD 405 Test with a similar mixture.

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 maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	not sensitising		guinea pig	OECD Guideline 406 (Skin Sensitisation)
Boric acid 10043-35-3	not sensitising	Buehler 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
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	negative	oral: gavage		mouse	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus 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 days once daily, 5 times a week	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	125 mg/kg	oral: gavage	one month daily	rat	

Reproductive toxicity:

Hazardous substances CAS-No.	Result / Classification	Species	Exposure time	Species	Method
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	350 mg/kg NOAEL F1 350 mg/kgNOAEL F2 350 mg/kg	three-generation study oral: feed		rat	

SECTION 12: Ecological information

12.1. Toxicity

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	
	NOEC	0,1 mg/l	Fish	28 d	Oncorhynchus mykiss	OECD Guideline 204 (Fish, Prolonged Toxicity Test: 14-day Study)
Alcohols, C12-18, ethoxylated 68213-23-0	LC50	1,2 mg/l	Fish	48 h	Leuciscus idus	
	NOEC	0,32 mg/l	Fish	28 d	Oncorhynchus mykiss	OECD Guideline 204 (Fish, Prolonged Toxicity Test: 14-day Study)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	NOEC	1 mg/l	Fish	28 d	Lepomis macrochirus	OECD Guideline 204 (Fish, Prolonged Toxicity Test: 14-day Study)
	NOEC	0,43 - 0,89 mg/l	Fish	28 d	Salmo gairdneri (new name: Oncorhynchus mykiss)	
	LC50	1,67 mg/l	Fish	96 h	Lepomis macrochirus	
Boric acid 10043-35-3	LC50	456 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)

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	
Alcohols, C12-18, ethoxylated 68213-23-0	EC50	3 mg/l	Daphnia	24 h	Daphnia magna	
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	EC50	2,9 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Boric acid 10043-35-3	EC50	760 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
Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3	EC50	2,6 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	
Alcohols, C12-18, ethoxylated 68213-23-0	EC50	3,1 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	ErC50	127,9 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	
	NOEC	2,4 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	
Boric acid 10043-35-3	EC50	229 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

12.2. Persistence and degradability

Hazardous substances CAS-No.	ResultValue	Route of application	Species	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)
Alcohols, C12-18, ethoxylated 68213-23-0	readily biodegradable	aerobic	79 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	readily biodegradable	aerobic	85 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

12.3. Bioaccumulative potential

Does not bioaccumulate.

12.4. Mobility in soil

Hazardous substances CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	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)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	3,32				

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Other adverse effects of this product for the environment are not known to us.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:
Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:
Only completely empty containers are to be disposed of as recoverable materials.

SECTION 14: Transport information

14.1. UN number

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

14.2. UN proper shipping name

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

14.3. Transport hazard class(es)

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

14.4. Packaging group

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

14.5. Environmental hazards

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

14.6. Special precautions for user

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

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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: WGK = 2, water endangering product. Classification according to the mixture rules in German VwVwS regulation annex 4 from 27.July 2005.

Storage class according to TRGS 510: 10

Declaration of ingredients according to Detergent Regulation 648/2004/EC

5 - 15 %	anionic surfactants
< 5 %	soap
	phosphonates
	non-ionic surfactants
Further ingredients	Perfumes
	Butylphenyl methylpropional
	Citronellol
	Hexyl cinnamal
	Limonene
	preservation agents
	Methylisothiazolinone
	Benzisothiazolinone
	Enzymes

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:

R22 Harmful if swallowed.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R60 May impair fertility.
R61 May cause harm to the unborn child.

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H360FD May damage fertility. May damage the unborn child.
H412 Harmful to aquatic life with long lasting effects.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.