

Washing Concentrate

Revision date: 11.07.2017

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

1.1. Product identifier

Washing Concentrate

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

Use of the substance/mixture

Cleaner Concentrate

Uses advised against

Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

Company name:	HERRENFahrt Carrus Cultus GmbH
Street:	Turley-Strasse 8
Place:	D-68167 Mannheim
Telephone:	0621 483 450 260
e-mail:	a.werner@herrenfahrt.com
Contact person:	Andreas Werner
e-mail:	a.werner@herrenfahrt.com
Internet:	www.herrenfahrt.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Causes serious eye irritation.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Warning

Pictograms:



Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash hands thoroughly after handling.

P280 Wear eye protection/face protection..

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Additional advice on labelling

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

2.3. Other hazards

Avoid contact with eyes.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

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Chemical characterization

see below Labelling for contents according to regulation (EC) No. 648/2004, Dyestuff., Additional information:
organic acids

Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
147170-44-3	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 (even numbered) and C18 unsaturated) acyl derivs., hydroxides, inner salts	5 - < 10 %
	931-333-8	01-2119489410-39
	Eye Dam. 1, Aquatic Chronic 3; H318 H412	
94095-35-9	Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	1 - < 5 %
	931-216-1	01-2119472309-33
	Skin Irrit. 2, Eye Irrit. 2; H315 H319	
85536-23-8	PEG-4 Rapeseedamide	1 - < 5 %
	Skin Irrit. 2; H315	
64-19-7	Acetic acid	1 - < 5 %
	200-580-7	607-002-00-6
	01-2119475328-30	
	Flam. Liq. 3, Skin Corr. 1A; H226 H314	
96690-44-7	Quaternary ammonium compounds, C12-14-alkyltrimethyl, Me sulfates	< 1 %
	306-238-4	
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 1); H302 H314 H318 H400	
61788-90-7	Amines, coco alkyldimethyl, N-oxides	< 1 %
	263-016-9	01-2119490061-47
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 2; H302 H315 H318 H400 H411	
5989-27-5	Fragrance Limonene	0,01-<0,1 %
	227-813-5	601-029-00-7
	01-2119529223-47	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H226 H315 H317 H400 H410	
78-70-6	Linalool	0,01-<0,1 %
	201-134-4	01-2119474016-42
	Skin Irrit. 2, Eye Irrit. 2A; H315 H319	
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one	<0,005 %
	220-120-9	613-088-00-6
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H302 H315 H318 H317 H400	
2682-20-4	2-Methyl-(2H)-isothiazol-3-on	<0,005 %
	220-239-6	
	Acute Tox. 2, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 2; H330 H301 H314 H318 H317 H400 H411	

Full text of H and EUH statements: see section 16.

Labelling for contents according to Regulation (EC) No 648/2004

5 % - < 15 % amphoteric surfactants, < 5 % cationic surfactants, 5 % - < 15 % non-ionic surfactants, perfumes (Limonene, Linalool), preservation agents (Benzisothiazolinone, Methylisothiazolinone).

Further Information

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation

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(EC) No.648/2004 on detergents.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

not applicable

After contact with skin

After contact with skin, wash immediately with: Water.

After cleaning apply high-fat content skin care cream.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Do NOT induce vomiting. Seek medical advice.

Let water be drunk in little sips (dilution effect).

4.2. Most important symptoms and effects, both acute and delayed

No known symptoms to date.

4.3. Indication of any immediate medical attention and special treatment needed

Give Dimeticon (Defoamer).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product itself does not burn.

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

No special fire protection measures are necessary.

5.3. Advice for firefighters

No special fire protection measures are necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

The following must be prevented:

skin contact.

Eye contact.

6.2. Environmental precautions

Suitable material for diluting or neutralizing:

Water.

6.3. Methods and material for containment and cleaning up

Methods of cleaning - small amounts of spilled material: Dilute with plenty of water.

Methods of cleaning - large amounts of spilled material: Take up mechanically, placing in appropriate containers for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation of aerosol.

Keep container tightly closed.

The following must be prevented:

skin contact.

Eye contact.

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Advice on protection against fire and explosion

Not combustible.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store only in original container.

Ensure adequate ventilation of the storage area.

Advice on storage compatibility

No special precautionary measures are necessary.

Further information on storage conditions

Recommended storage temperature: up to °C: 30

7.3. Specific end use(s)

Automotive cleaning products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
64-19-7	Acetic acid	10	25		TWA (8 h)	EU
		15	37		STEL (15 min)	EU

8.2. Exposure controls

Protective and hygiene measures

Avoid contact with skin and eyes.

Wash hands before breaks and after work.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Wear suitable gloves.

Neopren, NR (Natural rubber (Caoutchouc), Natural latex), CR (polychloroprenes, Chloroprene rubber), NBR (Nitrile rubber).

Skin protection

Body protection: not required.

Respiratory protection

Respiratory protection not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
 Colour: red (clear)
 Odour: fruity

pH-Value (at 20 °C): approx. 4,0

Changes in the physical state

Melting point: not determined
 Initial boiling point and boiling range: 102 °C
 Ignition temperature: >250 °C

Test method

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Oxidizing properties

not oxidizing.

Vapour pressure:

approx. 23 hPa

Density:

1,01 g/cm³

Water solubility:

miscible.

Solvent content:

0%

9.2. Other information

Not combustible.

SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

10.4. Conditions to avoid

No risks worthy of mention.

10.5. Incompatible materials

No risks worthy of mention.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

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according to Regulation (EC) No 1907/2006

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
147170-44-3	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 (even numbered) and C18 unsaturated) acyl derivs., hydroxides, inner salts				
	oral	LD50 >5000 mg/kg	Rat		
94095-35-9	Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized				
	oral	LD50 >2000 mg/kg	Rat		
85536-23-8	PEG-4 Rapeseedamide				
	oral	LD50 >2000 mg/kg	Rat		
64-19-7	Acetic acid				
	oral	LD50 3310 mg/kg	Rat	GESTIS	
96690-44-7	Quaternary ammonium compounds, C12-14-alkyltrimethyl, Me sulfates				
	oral	ATE 500 mg/kg			
61788-90-7	Amines, coco alkyldimethyl, N-oxides				
	oral	LD50 >2000 mg/kg	Rat		OECD 401
5989-27-5	Fragrance Limonene				
	oral	LD50 > 2000 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rabbit	IUCLID	
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one				
	oral	ATE 500 mg/kg			
2682-20-4	2-Methyl-(2H)-isothiazol-3-on				
	oral	ATE 100 mg/kg			
	inhalative vapour	ATE 0,5 mg/l			
	inhalative aerosol	ATE 0,05 mg/l			

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Practical experience

Other observations

Has de-greasing effect on the skin.

After cleaning apply high-fat content skin care cream.

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SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
147170-44-3	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 (even numbered) and C18 unsaturated) acyl derivs., hydroxides, inner salts					
	Acute fish toxicity	LC50	5,2 mg/l	96 h	Leuciscus idus	
	Acute algae toxicity	ErC50	24 mg/l	96 h		
	Acute crustacea toxicity	EC50	17,3 mg/l	48 h	Daphnia magna	
94095-35-9	Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized					
	Acute fish toxicity	LC50	4,8 mg/l	96 h		
	Acute algae toxicity	ErC50	2,1 mg/l	72 h		
	Acute crustacea toxicity	EC50	2,2 mg/l	48 h		
85536-23-8	PEG-4 Rapeseedamide					
	Acute fish toxicity	LC50	13 mg/l	96 h		
	Acute algae toxicity	ErC50	20 mg/l	72 h		
	Acute crustacea toxicity	EC50	7 mg/l	48 h		
64-19-7	Acetic acid					
	Acute crustacea toxicity	EC50	65 mg/l	48 h	Daphnia magna	Janssen et al
96690-44-7	Quaternary ammonium compounds, C12-14-alkyltrimethyl, Me sulfates					
	Acute fish toxicity	LC50	1-10 mg/l	96 h		
61788-90-7	Amines, coco alkyldimethyl, N-oxides					
	Acute fish toxicity	LC50	>1-10 mg/l	96 h	Salmo gairdneri	
	Acute algae toxicity	ErC50	0,1-1,0 mg/l	72 h	Pseudokirchneriella subcapitata	OECD 201
	Acute crustacea toxicity	EC50	2,9 mg/l	48 h	Daphnia magna	OECD 202
	Algae toxicity	NOEC	>0,01-0,1 mg/l	3 d	Pseudokirchneriella subcapitata	OECD 201
5989-27-5	Fragrance Limonene					
	Acute fish toxicity	LC50	0,7 mg/l	96 h	Pimephales promelas	
	Acute crustacea toxicity	EC50	0,42 mg/l	48 h	Daphnia magna	

12.2. Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

Does not accumulate in organisms.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-19-7	Acetic acid	-0,17
5989-27-5	Fragrance Limonene	4,23

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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12.6. Other adverse effects

No risks worthy of mention.

Further information

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

Chemical Oxygen Demand (COD) [mg O₂/g Produkt]: 320

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Waste disposal number of waste from residues/unused products

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Water.

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

Consult supplier about waste disposal.

Cleaned containers may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

No dangerous good in sense of these transport regulations.

14.2. UN proper shipping name:

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

14.1. UN number:

No dangerous good in sense of these transport regulations.

14.2. UN proper shipping name:

No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

14.1. UN number:

No dangerous good in sense of these transport regulations.

14.2. UN proper shipping name:

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:

No dangerous good in sense of these transport regulations.

14.2. UN proper shipping name:

No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Keep container tightly closed.

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

not relevant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3: Fragrance Limonene

2004/42/EC (VOC):

Volatile organic compounds (VOC) content in percent by weight: 0

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation):

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable
not applicable

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

National regulatory information

Employment restrictions:

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D):

2 - water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 (even numbered) and C18 unsaturated) acyl derivs., hydroxides, inner salts

Acetic acid

Fragrance Limonene

Linalool

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,3,8,9,15.

Abbreviations and acronyms

2003/15/EG: contains a list of allergenic fragrance substances

648/2004 (EG): Detergents Regulation

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

TLV: Threshold Limiting Value (is a level to which it is believed a worker can be exposed day after day for a working lifetime without adverse effects)

ATEmix: Acute Toxicity Estimates of a mixture

CAS: Chemical Abstracts Service (subdivision of the American Chemical Society)

CAS no: a unique numerical identifier assigned by Chemical Abstracts Service to every chemical substance (rarely a group of substances), described in the open scientific literature

CLP, 1272/2008 (EC): Regulation of the european parliament on Classification, Labelling and Packaging of Substances and Mixtures

COD: chemical oxygen demand

DNEL: Derived No Effect Level

EC50: half maximal effective concentration (toxicity value), effect on 50% of the test population

EC: European Community

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

EN: European Standards

ErC50: median inhibitory concentration of growth rate (algal inhibition test), effect on 50% of the test population

EUH-phrase (-Code): precautionary statement (EC-specified, not derived from GHS)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals (of the United nations)

hPa: Hectopascal (1000 hPa= 1bar)

H-phrase (-Code): hazardous statement

IATA: International Air Transport Association

IBC-Code: The IBC Code provides an international standard for the safe carriage in bulk by sea of dangerous

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chemicals

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

ISO: International Organization for Standardization

IUCLID: International Uniform Chemical Information Database

LC50: median lethal (killing) concentration (toxicity value), effect on 50% of the test population

LD50: median lethal (killing) dose, effect on 50% of the test population

log Kow: partition-coefficient between octanol and water (measures how hydrophilic or hydrophobic a chemical substance is)

MARPOL: Maritime Pollution Convention

OECD: Organisation for Economic Co-operation and Development

OECD 301 (A-F: methods for determination of biodegradability

PBT: persistent, bioaccumulative and toxic (substances that have high resistance to degradation from abiotic and biotic factors, high mobility in the environment and high toxicity)

PNEC: Predicted No Effect Concentration

ppm: parts per million, 10000ppm=1%

P-phrase (-Code): precautionary statement

REACH, 1907/2006 (EC): Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulation concerning the Carriage of Dangerous Goods by Rail (

STOT RE: Specific Target Organ Toxicity (repeated exposure)

STOT SE: Specific Target Organ Toxicity (single exposure)

UN: United Nations

VOC: Volatile Organic Compounds

vPvB: very persistent and very bioaccumulative (s.PBT)

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)