

Page 1 of 21  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 03.03.2020 / 0019  
Replacing version dated / version: 01.08.2019 / 0018  
Valid from: 03.03.2020  
PDF print date: 03.03.2020  
Auto-Wasch-Shampoo 1 L  
Art.: 1545

## Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

#### 1.1 Product identifier

**Auto-Wasch-Shampoo 1 L**  
**Art.: 1545**

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

##### Relevant identified uses of the substance or mixture:

Cleaner

Chemical product category [PC]:

PC35 - Washing and cleaning products

##### Uses advised against:

No information available at present.

#### 1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH

Jerg-Wieland-Str. 4

89081 Ulm-Lehr

Tel.: (+49) 0731-1420-0

Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

#### 1.4 Emergency telephone number

##### Emergency information services / official advisory body:

---

##### Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (LMR)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) 1272/2008 (CLP)

Hazard class	Hazard category	Hazard statement
Eye Irrit.	2	H319-Causes serious eye irritation.
Skin Sens.	1	H317-May cause an allergic skin reaction.

#### 2.2 Label elements

##### Labeling according to Regulation (EC) 1272/2008 (CLP)

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545



### Warning

H319-Causes serious eye irritation. H317-May cause an allergic skin reaction.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children.

P261-Avoid breathing vapours or spray. P280-Wear protective gloves / eye protection / face protection.

P302+P352-IF ON SKIN: Wash with plenty of water and soap. P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P314-Get medical advice / attention if you feel unwell.

P501-Dispose of contents / container to an approved waste disposal facility.

Dipentene  
 Citral  
 2-methylisothiazol-3(2H)-one

### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

## SECTION 3: Composition/information on ingredients

### 3.1 Substance

n.a.

### 3.2 Mixture

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered) and C18 unsaturated acyl) derivs., hydroxides, inner salts	Substance with specific conc. limit(s) acc. to REACH-registration
Registration number (REACH)	01-2119489410-39-XXXX
Index	---
EINECS, ELINCS, NLP	931-333-8 (REACH-IT List-No.)
CAS	147170-44-3
content %	1-<5
Classification according to Regulation (EC) 1272/2008 (CLP)	Eye Dam. 1, H318 Aquatic Chronic 3, H412
2-(2-butoxyethoxy)ethanol	Substance for which an EU exposure limit value applies.
Registration number (REACH)	01-2119475104-44-XXXX
Index	603-096-00-8
EINECS, ELINCS, NLP	203-961-6
CAS	112-34-5
content %	1-<5
Classification according to Regulation (EC) 1272/2008 (CLP)	Eye Irrit. 2, H319
Sodium N-lauroylsarcosinate	
Registration number (REACH)	01-2119527780-39-XXXX
Index	---

GB

Page 3 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

<b>EINECS, ELINCS, NLP</b>	205-281-5
<b>CAS</b>	137-16-6
<b>content %</b>	1-<3
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	Skin Irrit. 2, H315 Eye Dam. 1, H318 Acute Tox. 2, H330

<b>D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides</b>	<b>Substance with specific conc. limit(s) acc. to REACH-registration</b>
<b>Registration number (REACH)</b>	01-2119489418-23-XXXX
<b>Index</b>	---
<b>EINECS, ELINCS, NLP</b>	600-975-8 (REACH-IT List-No.)
<b>CAS</b>	110615-47-9
<b>content %</b>	<3
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	Skin Irrit. 2, H315 Eye Dam. 1, H318

<b>Amides, C12-18 (even-numbered), N-[3-(dimethylamino)propyl], N'-oxides</b>	
<b>Registration number (REACH)</b>	01-2119978229-22-XXXX
<b>Index</b>	---
<b>EINECS, ELINCS, NLP</b>	939-581-9 (REACH-IT List-No.)
<b>CAS</b>	1471314-81-4
<b>content %</b>	0,1-<1
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412

<b>Citral</b>	
<b>Registration number (REACH)</b>	---
<b>Index</b>	605-019-00-3
<b>EINECS, ELINCS, NLP</b>	226-394-6
<b>CAS</b>	5392-40-5
<b>content %</b>	0,1-<1
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319

<b>Dipentene</b>	
<b>Registration number (REACH)</b>	---
<b>Index</b>	601-029-00-7
<b>EINECS, ELINCS, NLP</b>	205-341-0
<b>CAS</b>	138-86-3
<b>content %</b>	0,1-<0,25
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) Skin Irrit. 2, H315

<b>2-methylisothiazol-3(2H)-one</b>	
<b>Registration number (REACH)</b>	---
<b>Index</b>	613-326-00-9
<b>EINECS, ELINCS, NLP</b>	220-239-6
<b>CAS</b>	2682-20-4
<b>content %</b>	0,0015-<0,01

Page 4 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

**Classification according to Regulation (EC) 1272/2008 (CLP)**

Acute Tox. 3, H301  
 Acute Tox. 3, H311  
 Skin Corr. 1B, H314  
 Skin Sens. 1A, H317  
 Eye Dam. 1, H318  
 Acute Tox. 2, H330  
 Aquatic Acute 1, H400 (M=10)  
 Aquatic Chronic 1, H410 (M=1)

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

#### Inhalation

Supply person with fresh air and consult doctor according to symptoms.

#### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

#### Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

#### Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately.

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

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

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

Symptomatic treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water jet spray/foam/CO<sub>2</sub>/dry extinguisher

Cool container at risk with water.

#### Unsuitable extinguishing media

None known

### 5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Toxic gases

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Dispose of contaminated extinction water according to official regulations.

## SECTION 6: Accidental release measures

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

## 6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air.  
 Avoid contact with eyes or skin.  
 If applicable, caution - risk of slipping.

## 6.2 Environmental precautions

If leakage occurs, dam up.  
 Resolve leaks if this possible without risk.  
 Prevent surface and ground-water infiltration, as well as ground penetration.  
 Prevent from entering drainage system.

## 6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.

## 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

## SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### 7.1 Precautions for safe handling

#### 7.1.1 General recommendations

Ensure good ventilation.  
 Avoid aerosol formation.  
 Avoid contact with eyes or skin.  
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.  
 Observe directions on label and instructions for use.  
 Use working methods according to operating instructions.

#### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedingstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.  
 Store product closed and only in original packing.  
 Not to be stored in gangways or stair wells.  
 Protect from direct sunlight and warming.  
 Protect from frost.

### 7.3 Specific end use(s)

No information available at present.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Chemical Name	2-(2-butoxyethoxy)ethanol		Content %:1-<5
WEL-TWA: 10 ppm (67,5 mg/m <sup>3</sup> ) (WEL, EU)	WEL-STEL: 15 ppm (101,2 mg/m <sup>3</sup> ) (WEL, EU)	---	
Monitoring procedures:	---		
BMGV: ---	Other information: ---		

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

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,0135	mg/l	

Page 6 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

	Environment - marine		PNEC	0,0014	mg/l	
	Environment - sediment, freshwater		PNEC	1	mg/kg	
	Environment - sediment, marine		PNEC	0,1	mg/kg	
	Environment - sewage treatment plant		PNEC	3000	mg/l	
	Environment - soil		PNEC	0,8	mg/kg	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	13,04	mg/m <sup>3</sup>	
Consumer	Human - oral	Long term, systemic effects	DNEL	7,5	mg/kg bw/d	
Consumer	Human - dermal	Long term, systemic effects	DNEL	7,5	mg/kg bw/d	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	44	mg/m <sup>3</sup>	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	12,5	mg/kg bw/d	

#### 2-(2-butoxyethoxy)ethanol

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	1,1	mg/l	
	Environment - marine		PNEC	0,11	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	11	mg/l	
	Environment - sediment, freshwater		PNEC	4,4	mg/kg	
	Environment - sediment, marine		PNEC	0,44	mg/kg	
	Environment - soil		PNEC	0,32	mg/kg	
	Environment - sewage treatment plant		PNEC	200	mg/l	
	Environment - oral (animal feed)		PNEC	56	mg/kg	
Consumer	Human - inhalation	Short term, local effects	DNEL	60,7	mg/m <sup>3</sup>	
Consumer	Human - dermal	Long term, systemic effects	DNEL	50	mg/kg bw/d	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	40,5	mg/m <sup>3</sup>	
Consumer	Human - oral	Long term, systemic effects	DNEL	5	mg/kg bw/d	
Consumer	Human - inhalation	Long term, local effects	DNEL	40,5	mg/m <sup>3</sup>	
Workers / employees	Human - oral	Long term, local effects	DNEL	67,5	mg/m <sup>3</sup>	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	89	mg/kg bw/d	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	83	mg/kg bw/d	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	101,2	mg/m <sup>3</sup>	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	67,5	mg/m <sup>3</sup>	

#### D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,176	mg/l	

Page 7 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

	Environment - marine		PNEC	0,018	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	0,0295	mg/l	
	Environment - sewage treatment plant		PNEC	5000	mg/l	
	Environment - sediment, freshwater		PNEC	1,516	mg/kg	
	Environment - sediment, marine		PNEC	0,065	mg/kg	
	Environment - soil		PNEC	0,654	mg/kg	
	Environment - oral (animal feed)		PNEC	111,11	mg/kg	
Consumer	Human - oral	Long term, systemic effects	DNEL	35,7	mg/kg	
Consumer	Human - dermal	Long term, systemic effects	DNEL	357000	mg/kg	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	124	mg/m <sup>3</sup>	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	595000	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	420	mg/kg	

**Sodium N-lauroylsarcosinate**

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,009	mg/l	
	Environment - marine		PNEC	0,0009	mg/l	
	Environment - sediment, freshwater		PNEC	0,034	mg/kg	
	Environment - sediment, marine		PNEC	0,0034	mg/kg	
	Environment - sewage treatment plant		PNEC	3	mg/l	
	Environment - soil		PNEC	0,008	mg/kg	
Consumer	Human - oral	Long term, systemic effects	DNEL	10	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	17,39	mg/m <sup>3</sup>	
Consumer	Human - inhalation	Long term, local effects	DNEL	5	mg/m <sup>3</sup>	
Consumer	Human - dermal	Long term, systemic effects	DNEL	10	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	70,53	mg/m <sup>3</sup>	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	5	mg/m <sup>3</sup>	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	20	mg/kg bw/day	

**Amides, C12-18 (even-numbered), N-[3-(dimethylamino)propyl], N'-oxides**

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,0303	mg/l	
	Environment - marine		PNEC	0,00303	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	0,0068	mg/l	
	Environment - sediment, freshwater		PNEC	0,214	mg/kg dw	

GB

Page 8 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

	Environment - sediment, marine		PNEC	0,0214	mg/kg dw	
	Environment - soil		PNEC	0,000025	mg/kg dw	
	Environment - oral (animal feed)		PNEC	0,5	mg/kg feed	
	Environment - sewage treatment plant		PNEC	9,7	mg/l	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,05	mg/kg bw/d	
Consumer	Human - dermal	Long term, systemic effects	DNEL	2,5	mg/kg bw/d	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	0,87	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	5	mg/kg bw/d	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	3,52	mg/m3	

Citral						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,00678	mg/l	
	Environment - marine		PNEC	0,000678	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	0,0678	mg/l	
	Environment - sewage treatment plant		PNEC	1,6	mg/l	
	Environment - sediment, freshwater		PNEC	0,125	mg/kg	
	Environment - sediment, marine		PNEC	0,0125	mg/kg	
	Environment - soil		PNEC	0,0209	mg/kg	
Consumer	Human - dermal	Long term, systemic effects	DNEL	1	mg/kg	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	2,7	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,6	mg/kg	
Consumer	Human - dermal	Long term, local effects	DNEL	0,14	mg/cm2	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	1,7	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	9	mg/m3	
Workers / employees	Human - dermal	Long term, local effects	DNEL	0,14	mg/cm2	

GB WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).  
 (8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE).  
 (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).  
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.  
 \*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.  
 (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).



Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 03.03.2020 / 0019

Replacing version dated / version: 01.08.2019 / 0018

Valid from: 03.03.2020

PDF print date: 03.03.2020

Auto-Wasch-Shampoo 1 L

Art.: 1545

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. BS EN 14042.

BS EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Chemical resistant protective gloves (EN 374).

Recommended

Protective gloves in butyl rubber (EN 374).

Minimum layer thickness in mm:

0,5

Permeation time (penetration time) in minutes:

> 120

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Protective hand cream recommended.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:

Normally not necessary.

If OES or MEL is exceeded.

Filter A P2 (EN 14387), code colour brown, white

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Yellow, Orange

Odour:

Characteristic, Fruity

Odour threshold:

Not determined

pH-value:

4,8-5 (20°C, DIN 19268)

Page 10 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	~100 °C
Flash point:	>65 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	n.a.
Lower explosive limit:	Not determined
Upper explosive limit:	Not determined
Vapour pressure:	23 hPa (20°C)
Vapour density (air = 1):	Not determined
Density:	1,013 g/ml (20°C, DIN 51757)
Bulk density:	n.a.
Solubility(ies):	Not determined
Water solubility:	Soluble
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	No
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Product is not explosive.
Oxidising properties:	No

## 9.2 Other information

Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	1,5 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not to be expected

### 10.2 Chemical stability

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4 Conditions to avoid

See also section 7.

Heating

### 10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

### 10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

#### Auto-Wasch-Shampoo 1 L

Art.: 1545

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:	ATE	>20	mg/l/4h			calculated value, Vapours
Acute toxicity, by inhalation:	ATE	>5	mg/l/4h			calculated value, Aerosol, Mist
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.

Page 11 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

<b>2-(2-butoxyethoxy)ethanol</b>						
<b>Toxicity / effect</b>	<b>Endpoint</b>	<b>Value</b>	<b>Unit</b>	<b>Organism</b>	<b>Test method</b>	<b>Notes</b>
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	2764	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Irrit. 2
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	No (skin contact)
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:					OECD 475 (Mammalian Bone Marrow Chromosome Aberration Test)	Negative
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Reproductive toxicity:		1000	mg/kg	Rat	OECD 414 (Prenatal Developmental Toxicity Study)	Negative, Analogous conclusion
Aspiration hazard:						No
Symptoms:						breathing difficulties, respiratory distress, diarrhoea, coughing, mucous membrane irritation, dizziness, watering eyes, nausea
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	250	mg/kg	Rat		
Specific target organ toxicity - repeated exposure (STOT-RE), dermal:	NOAEL	>2000	mg/kg	Rat		
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEL	14	ppm	Rat		Vapours

Page 12 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

<b>Sodium N-lauroylsarcosinate</b>						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by inhalation:	LC50	1-5	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Dust, Mist/Solution 35% (34,5%)
Acute toxicity, by inhalation:	LC50	0,5	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol
Skin corrosion/irritation:		>30	%	Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Skin Irrit. 2
Skin corrosion/irritation:		<=30	%			Not irritant
Serious eye damage/irritation:		>30	%	Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Dam. 1
Respiratory or skin sensitisation:				Guinea pig	Regulation (EC) 440/2008 B.6 (SKIN SENSITISATION)	Not sensitising
Germ cell mutagenicity:				Mammalian	OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Germ cell mutagenicity:				Human being	OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Specific target organ toxicity - repeated exposure (STOT-RE):	NOEL	30	mg/kg/d	Rat	Regulation (EC) 440/2008 B.7 (REPEATED DOSE (28 DAYS) TOXICITY (ORAL))	

<b>D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides</b>						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg		OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg		OECD 402 (Acute Dermal Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Risk of serious damage to eyes.
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:				Mouse	OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Germ cell mutagenicity:				Mammalian	OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Reproductive toxicity:					OECD 414 (Prenatal Developmental Toxicity Study)	Negative

<b>Amides, C12-18 (even-numbered), N-[3-(dimethylamino)propyl], N'-oxides</b>						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	500-1000	mg/kg	Rat	OECD 423 (Acute Oral Toxicity - Acute Toxic Class Method)	

Page 13 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Risk of serious damage to eyes.
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	No (skin contact)
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Reproductive toxicity (Effects on fertility):	NOEL	100	mg/kg bw/d	Rat	OECD 421 (Reproduction/Developmental Toxicity Screening Test)	
Aspiration hazard:						No
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	50	mg/kg bw/d	Rat	OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	

Citral						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	3450	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	2250	mg/kg	Rabbit		
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Yes (skin contact)
Germ cell mutagenicity:				Mammalian	OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Symptoms:						respiratory distress, drowsiness, coughing, headaches, gastrointestinal disturbances, mucous membrane irritation, nausea

Dipentene						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	5300	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	5000	mg/kg	Rabbit		
Aspiration hazard:						Yes
Symptoms:						diarrhoea, rash, itching, gastrointestinal disturbances, mucous membrane irritation, nausea and vomiting.

2-methylisothiazol-3(2H)-one						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	183	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	242	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LD50	0,11	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol
Skin corrosion/irritation:						Corrosive

Page 14 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

Serious eye damage/irritation:							Risk of serious damage to eyes.
Respiratory or skin sensitisation:							Sensitising (skin contact)

## SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

### Auto-Wasch-Shampoo 1 L

Art.: 1545

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:							n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and degradability:							The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
12.3. Bioaccumulative potential:							n.d.a.
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT and vPvB assessment							n.d.a.
12.6. Other adverse effects:							n.d.a.

### 2-(2-butoxyethoxy)ethanol

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to algae:	NOEC/NOEL	96h	>100	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	48h	>=100	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	

Page 15 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

Toxicity to bacteria:	EC10	30min	>1995	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
12.1. Toxicity to fish:	LC50	96h	1300	mg/l	Lepomis macrochirus	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC50	48h	>100	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.2. Persistence and degradability:		28d	76	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	
12.2. Persistence and degradability:		28d	100	%	activated sludge	OECD 302 B (Inherent Biodegradability - Zahn-Wellens/EMPA Test)	Readily biodegradable
12.3. Bioaccumulative potential:	Log Pow		1			OECD 117 (Partition Coefficient (n-octanol/water) - HPLC method)	Slight
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Other information:							Does not contain any organically bound halogens which can contribute to the AOX value in waste water.

**Sodium N-lauroylsarcosinate**

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to algae:	EC50	72h	79	mg/l	Desmodesmus subspicatus		
12.1. Toxicity to daphnia:	EC50	48h	8,9	mg/l	Daphnia magna		
12.1. Toxicity to fish:	LC50	96h	32,1	mg/l	Brachydanio rerio		
Toxicity to bacteria:	NOEC/NOEL	3h	30	mg/l	activated sludge		
12.1. Toxicity to algae:	NOEC/NOEL		9,2	mg/l	Desmodesmus subspicatus		
12.1. Toxicity to fish:	LC50	96h	107	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	30%ig
12.1. Toxicity to daphnia:	EC50	48h	29,7	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	30%ig
12.1. Toxicity to algae:	EbC50	72h	39	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	30%ig

Page 16 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

12.2. Persistence and degradability:		28d	82	%		Regulation (EC) 440/2008 C.4-B (DETERMINATION OF 'READY' BIODEGRAD. - MODIFIED OECD SCREENING TEST)	Readily biodegradable S O 14593
--------------------------------------	--	-----	----	---	--	---	------------------------------------

**D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides**

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
12.1. Toxicity to fish:	LC50	96h	2,95-5,9	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	NOEC/NOEL	28d	1,8	mg/l	Brachydanio rerio	OECD 204 (Fish, Prolonged Toxicity Test - 14-Day Study)	
12.1. Toxicity to daphnia:	LC50	48h	7-14	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	1-4	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EC50	72h	5-38	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	88	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Readily biodegradable
12.3. Bioaccumulative potential:	Log Kow		<-0,07				Lowat 20 °C

**Amides, C12-18 (even-numbered), N-[3-(dimethylamino)propyl], N'-oxides**

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.2. Persistence and degradability:		28d	68	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Biodegradable
12.3. Bioaccumulative potential:	BCF		3-71	%			
12.1. Toxicity to fish:	LC50	96h	0,68	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	NOEC/NOEL	15d	0,495	mg/l	Pimephales promelas	U.S. EPA ECOTOX Database	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	0,7	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproduction Test)	



Page 17 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

12.1. Toxicity to daphnia:	EC50	48h	19,9	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	0,303	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	EC20	72h	0,705	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
Toxicity to bacteria:	EC50	3h	970	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other information:	Koc		34,41				20°C
Other information:	H (Henry)		17,2				25°C
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance

Citral							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.3. Bioaccumulative potential:	BCF		89,72				Low
12.3. Bioaccumulative potential:	Log Pow		2,76				
12.1. Toxicity to fish:	LC50	96h	6,78	mg/l	Leuciscus idus		
12.1. Toxicity to daphnia:	EC50	48h	6,8	mg/l	Daphnia magna		
12.2. Persistence and degradability:		28d	92	%	activated sludge	OECD 301 C (Ready Biodegradability - Modified MITI Test (I))	Readily biodegradable
12.1. Toxicity to algae:	EC50	72h	103,8	mg/l	Desmodesmus subspicatus		
Toxicity to bacteria:	EC50	30min	~160	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	

Dipentene							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	EC50	96h	20,2	mg/l	Pimephales promelas		
12.1. Toxicity to fish:	LC50	96h	38,5	mg/l	Pimephales promelas		
12.1. Toxicity to daphnia:	EC50	48h	70	mg/l	Daphnia pulex		
12.1. Toxicity to daphnia:	EC50	48h	28,2	mg/l	Daphnia magna		
12.1. Toxicity to algae:	IC50	78h	13,798	mg/l	Pseudokirchneriella subcapitata		
12.2. Persistence and degradability:		28d	83	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Readily biodegradable
12.3. Bioaccumulative potential:	Log Pow		4,57				High

Page 18 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

<b>2-methylisothiazol-3(2H)-one</b>							
<b>Toxicity / effect</b>	<b>Endpoint</b>	<b>Time</b>	<b>Value</b>	<b>Unit</b>	<b>Organism</b>	<b>Test method</b>	<b>Notes</b>
12.2. Persistence and degradability:		28d	0,32	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Not readily biodegradable
12.3. Bioaccumulative potential:	Log Kow		-0,32			OECD 117 (Partition Coefficient (n-octanol/water) - HPLC method)	
12.1. Toxicity to fish:	NOEC/NOEL	28d	2,38	mg/l	Pimephales promelas	OECD 210 (Fish, Early-Life Stage Toxicity Test)	
12.1. Toxicity to fish:	LC50	96h	4,77	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC50	48h	0,359	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	0,0442	mg/l	Daphnia magna		
12.1. Toxicity to algae:	NOEC/NOEL	120h	0,05	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	EC50	72h	0,445	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

20 01 29 detergents containing hazardous substances

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

#### For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Untampered packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

## SECTION 14: Transport information

### General statements

14.1. UN number: n.a.

#### Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Page 19 of 21  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

Classification code: n.a.  
 LQ: n.a.  
 14.5. Environmental hazards: Not applicable  
 Tunnel restriction code:

### Transport by sea (IMDG-code)

14.2. UN proper shipping name:  
 14.3. Transport hazard class(es): n.a.  
 14.4. Packing group: n.a.  
 Marine Pollutant: n.a.  
 14.5. Environmental hazards: Not applicable

### Transport by air (IATA)

14.2. UN proper shipping name:  
 14.3. Transport hazard class(es): n.a.  
 14.4. Packing group: n.a.  
 14.5. Environmental hazards: Not applicable

### 14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

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

Non-dangerous material according to Transport Regulations.

## SECTION 15: Regulatory information

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

Observe restrictions:

Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)!

Regulation (EC) No 1907/2006, Annex XVII

2-(2-butoxyethoxy)ethanol

Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)!

Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC): < 1 %

#### REGULATION (EC) No 648/2004

less than 5 %

amphoteric surfactants

anionic surfactants

non-ionic surfactants

perfumes

CITRAL

CITRONELLOL

GERANIOL

HEXYL CINNAMAL

LIMONENE

LINALOOL

FORMIC ACID

BENZISOTHIAZOLINONE

METHYLISOTHIAZOLINONE

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

## SECTION 16: Other information

Revised sections: 2, 3, 7, 8, 10, 11, 12, 16

These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.

**Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):**

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 03.03.2020 / 0019  
 Replacing version dated / version: 01.08.2019 / 0018  
 Valid from: 03.03.2020  
 PDF print date: 03.03.2020  
 Auto-Wasch-Shampoo 1 L  
 Art.: 1545

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Eye Irrit. 2, H319	Classification according to calculation procedure.
Skin Sens. 1, H317	Classification according to calculation procedure.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H330 Fatal if inhaled.  
 H226 Flammable liquid and vapour.  
 H317 May cause an allergic skin reaction.  
 H301 Toxic if swallowed.  
 H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H311 Toxic in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H412 Harmful to aquatic life with long lasting effects.

Eye Irrit. — Eye irritation  
 Skin Sens. — Skin sensitization  
 Eye Dam. — Serious eye damage  
 Aquatic Chronic — Hazardous to the aquatic environment - chronic  
 Skin Irrit. — Skin irritation  
 Acute Tox. — Acute toxicity - inhalation  
 Acute Tox. — Acute toxicity - oral  
 Aquatic Acute — Hazardous to the aquatic environment - acute  
 Flam. Liq. — Flammable liquid  
 Asp. Tox. — Aspiration hazard  
 Acute Tox. — Acute toxicity - dermal  
 Skin Corr. — Skin corrosion

### Any abbreviations and acronyms used in this document:

acc., acc. to according, according to  
 ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 AOX Adsorbable organic halogen compounds  
 approx. approximately  
 Art., Art. no. Article number  
 ASTM ASTM International (American Society for Testing and Materials)  
 BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)  
 BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)  
 BSEF The International Bromine Council  
 bw body weight  
 CAS Chemical Abstracts Service  
 CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)  
 CMR carcinogenic, mutagenic, reproductive toxic  
 DMEL Derived Minimum Effect Level  
 DNEL Derived No Effect Level  
 dw dry weight  
 e.g. for example (abbreviation of Latin 'exempli gratia'), for instance  
 EC European Community  
 ECHA European Chemicals Agency

Page 21 of 21

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 03.03.2020 / 0019

Replacing version dated / version: 01.08.2019 / 0018

Valid from: 03.03.2020

PDF print date: 03.03.2020

Auto-Wasch-Shampoo 1 L

Art.: 1545

EEC European Economic Community  
EINECS European Inventory of Existing Commercial Chemical Substances  
ELINCS European List of Notified Chemical Substances  
EN European Norms  
EPA United States Environmental Protection Agency (United States of America)  
etc. et cetera  
EU European Union  
EVAL Ethylene-vinyl alcohol copolymer  
Fax. Fax number  
gen. general  
GHS Globally Harmonized System of Classification and Labelling of Chemicals  
GWP Global warming potential  
IARC International Agency for Research on Cancer  
IATA International Air Transport Association  
IBC (Code) International Bulk Chemical (Code)  
IMDG-code International Maritime Code for Dangerous Goods  
incl. including, inclusive  
IUCLID International Uniform Chemical Information Database  
LQ Limited Quantities  
MARPOL International Convention for the Prevention of Marine Pollution from Ships  
n.a. not applicable  
n.av. not available  
n.c. not checked  
n.d.a. no data available  
OECD Organisation for Economic Co-operation and Development  
org. organic  
PBT persistent, bioaccumulative and toxic  
PE Polyethylene  
PNEC Predicted No Effect Concentration  
ppm parts per million  
PVC Polyvinylchloride  
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.  
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)  
SVHC Substances of Very High Concern  
Tel. Telephone  
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods  
VOC Volatile organic compounds  
vPvB very persistent and very bioaccumulative  
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

**Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90**

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.