

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Multi-purpose Cleaner

Revision date: 28.03.2018

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

##### 1.1. Product identifier

Multi-purpose Cleaner

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

###### Use of the substance/mixture

Washing and cleaning products

##### 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

##### 1.4. Emergency telephone

###### number:

+49 (0) 89 19240 (Giftnotruf Technische Universität München)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

##### 2.2. Label elements

###### Regulation (EC) No. 1272/2008

###### Hazard components for labelling

1-aminopropan-2-ol, isopropanolamine

Polymer

Quaternary ammonium compounds, coco alkyltrimethyl, Me sulfates

Alcohols ,C9-C11, ethoxylated

Signal word: Danger

Pictograms:



###### Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

###### Precautionary statements

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

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

P313 Get medical advice/attention.

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P302+P352 IF ON SKIN: Wash with plenty of water.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P501 Dispose of waste according to applicable legislation.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
78-96-6	1-aminopropan-2-ol, isopropanolamine			1 - < 5 %
	201-162-7	603-082-00-1	01-2119475331-43	
	Acute Tox. 4, Skin Corr. 1B; H312 H314			
166736-08-9	2-propylheptanol ethoxylated, propoxylated			1 - < 5 %
	605-450-7			
	Acute Tox. 4, Eye Dam. 1; H302 H318			
68002-60-8	Quaternary ammonium compounds, coco alkyltrimethyl, Me sulfates			1 - < 5 %
	268-073-3			
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1; H302 H315 H318			
7320-34-5	tetrapotassium pyrophosphate			1 - < 5 %
	230-785-7		01-2119489369-18	
	Eye Irrit. 2; H319			
68439-46-3	Alcohols ,C9-C11, ethoxylated			1 - < 5 %
	Acute Tox. 4, Eye Dam. 1; H302 H318			

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

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

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

No special measures are necessary. When in doubt or if symptoms are observed, get medical advice.

#### After inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

#### After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a doctor.

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

No information available.

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Water spray jet. Co-ordinate fire-fighting measures to the fire surroundings.

#### **Unsuitable extinguishing media**

Full water jet

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

In case of fire may be liberated: Gases/vapours, irritant.

### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

#### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

### **6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. Use only in well-ventilated areas. Wash hands before breaks and after work. When using do not eat, drink or smoke. Avoid breathing dust/fume/gas/mist/vapours/spray. When using do not smoke. Use personal protection equipment. Take off contaminated clothing and wash it before reuse.

#### **Advice on protection against fire and explosion**

No special fire protection measures are necessary. Only use the material in places where open light, fire and other flammable sources can be kept away.

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

#### **Requirements for storage rooms and vessels**

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed.

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**Advice on storage compatibility**

Do not store together with: Oxidising agent. Strong acid. Strong alkali.

**Further information on storage conditions**

Recommended storage temperature: 15-25°C

**7.3. Specific end use(s)**

Automotive care products

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**DNEL/DMEL values**

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
7320-34-5	tetrapotassium pyrophosphate		
Consumer DNEL, long-term	oral	systemic	>70 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	2,79 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	systemic	0,68 mg/m <sup>3</sup>

**PNEC values**

CAS No	Substance	
Environmental compartment	Value	
7320-34-5	tetrapotassium pyrophosphate	
Freshwater	0,05 mg/l	
Freshwater (intermittent releases)	0,5 mg/l	
Marine water	0,005 mg/l	
Micro-organisms in sewage treatment plants (STP)	50 mg/l	

**8.2. Exposure controls**



**Appropriate engineering controls**

Use only in well-ventilated areas.

**Protective and hygiene measures**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not smoke. When using do not eat or drink. Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray. Draw up and observe skin protection programme.

**Eye/face protection**

Wear eye protection/face protection. Suitable eye protection: Eye glasses with side protection (DIN EN 166)

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Tested protective gloves must be worn.

Recommended glove articles : Rotiprotect Nitril eco, Thickness of the glove material 0,1 mm, level 1 < 10 min. (DIN EN 374)

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**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

Warning! In case of inadequate ventilation wear respiratory protection.

**Environmental exposure controls**

No special environmental measures are necessary. Do not allow uncontrolled discharge of product into the environment.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state: Liquid  
 Colour: orange  
 Odour: fruity

pH-Value (at 20 °C): 10,4

**Test method**

**Changes in the physical state**

Melting point: not determined

Initial boiling point and boiling range: 100 °C

Flash point: >100 °C DIN 51755

**Flammability**

Solid: not applicable

Gas: not applicable

Lower explosion limits: not applicable

Upper explosion limits: not applicable

Ignition temperature: 335 °C

**Auto-ignition temperature**

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties**

Not oxidising.

Vapour pressure: not applicable

(at 20 °C)

Density (at 20 °C): 1,03 g/cm<sup>3</sup>

Water solubility: completely miscible

(at 20 °C)

**Solubility in other solvents**

not determined

Partition coefficient: not determined

Viscosity / dynamic: 10-100 mPa·s

(at 20 °C)

Vapour density: not determined

Evaporation rate: not determined

Solvent content: 3,00 %

**9.2. Other information**

Solid content: not determined

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4. Conditions to avoid

Only use the material in places where open light, fire and other flammable sources can be kept away.

#### 10.5. Incompatible materials

Oxidising agent. Strong acid. Strong alkali.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Toxicokinetics, metabolism and distribution

No information available.

##### Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
78-96-6	1-aminopropan-2-ol, isopropanolamine				
	oral	LD50 2700 mg/kg	Rat		
	dermal	LD50 1600 mg/kg	Rabbit		
166736-08-9	2-propylheptanol ethoxylated, propoxylated				
	oral	LD50 >300-2000 mg/kg	Rat		
68002-60-8	Quaternary ammonium compounds, coco alkyltrimethyl, Me sulfates				
	oral	LD50 501-2000 mg/kg	Rat		OECD 423
	dermal	LD50 >2000 mg/kg	Rat		OECD 402
7320-34-5	tetrapotassium pyrophosphate				
	oral	LD50 >2000 mg/kg	Rat	IUCLID	
	dermal	LD50 >7940 mg/kg	Rabbit		
68439-46-3	Alcohols ,C9-C11, ethoxylated				
	oral	LD50 >300 mg/kg			

##### Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

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### 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.

### STOT-repeated exposure

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

### Aspiration hazard

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

### Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
78-96-6	1-aminopropan-2-ol, isopropanolamine					
	Acute fish toxicity	LC50 220 - 460 mg/l	96 h	Leuciscus idus	IUCLID	
	Acute algae toxicity	ErC50 23 mg/l	72 h	Desmodesmus subspicatus	IUCLID	
	Acute crustacea toxicity	EC50 108,8 mg/l	48 h	Daphnia	IUCLID	
166736-08-9	2-propylheptanol ethoxylated, propoxylated					
	Acute fish toxicity	LC50 10-100 mg/l	96 h	Brachydanio rerio (zebra-fish)		
	Acute algae toxicity	ErC50 10-100 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 10-100 mg/l	48 h	Daphnia magna (Big water flea)		
68002-60-8	Quaternary ammonium compounds, coco alkyltrimethyl, Me sulfates					
	Acute fish toxicity	LC50 >21,5-46,4 mg/l	96 h	Brachydanio rerio (zebra-fish)		OECD 203
7320-34-5	tetrapotassium pyrophosphate					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA	
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Desmodesmus subspicatus	ECHA	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna (Big water flea)	ECHA	
	Fish toxicity	NOEC 100 mg/l	96 d	Oncorhynchus mykiss (Rainbow trout)	ECHA	
	Crustacea toxicity	NOEC >100 mg/l	3 d	Desmodesmus subspicatus	ECHA	

### 12.2. Persistence and degradability

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

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
166736-08-9	2-propylheptanol ethoxylated, propoxylated			
	OECD 301B; ISO 9439; 92/69/EWG, C.4-C, aerob	> 60 %	28	
	Readily biodegradable (according to OECD criteria).			
68002-60-8	Quaternary ammonium compounds, coco alkyltrimethyl, Me sulfates			
	OECD 301D; 92/69/EWG, C.4-E	70-80%	28	
	Readily biodegradable (according to OECD criteria). Readily biodegradable (according to OECD criteria).			

**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
78-96-6	1-aminopropan-2-ol, isopropanolamine	-0,96

**12.4. Mobility in soil**

The product has not been tested.

**12.5. Results of PBT and vPvB assessment**

The product has not been tested.

**12.6. Other adverse effects**

No information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Advice on disposal**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

**Contaminated packaging**

Non-contaminated packages may be recycled.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
- 14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.
- 14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
- 14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.
- 14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
- 14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.



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**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

**SECTION 15: Regulatory information**

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

**EU regulatory information**

2010/75/EU (VOC): 3,19 % (32,862 g/l)

2004/42/EC (VOC): 3,197 % (32,929 g/l)

**Additional information**

To follow: 850/2004/EC, 1107/2009/EC, 649/2012/EC.

**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 - clearly water contaminating

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

**Changes**

This data sheet contains changes from the previous version in section(s): 1,4,8,9.

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

**Relevant H and EUH statements (number and full text)**

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

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H319 Causes serious eye irritation.

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