



## SPAM Universal Cleaner

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

#### 1.1. Product identifier

SPAM Universal 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:	SCHOLL Concepts GmbH	
	Polish & Pad Manufaktur	
Street:	Maybachstrasse 7	
Place:	D-71686 Remseck	
Telephone:	+49 (0) 7141 29299 - 0	Telefax: +49 (0) 7141 29299 - 10
e-mail:	sds@schollconcepts.com	
Internet:	www.schollconcepts.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

This product has been treated with biocides for preservation.

1-aminopropan-2-ol

2-propylheptanol ethoxylated, propoxylated

Quaternary ammonium compounds, coco alkyltrimethyl, Me sulfates

Alkohols ,C9-C11, ethoxylated

**Signal word:** Danger

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### Pictograms:



### Hazard statements

- H315 Causes skin irritation.  
H318 Causes serious eye damage.

### Precautionary statements

- P102 Keep out of reach of children.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P315 Get immediate medical advice/attention.  
P501 Dispose of waste according to applicable legislation.

### Special labelling of certain mixtures

- EUH208 Contains mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1). May produce an allergic reaction.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures



**SPAM Universal Cleaner**

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
78-96-6	1-aminopropan-2-ol			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			
55965-84-9	mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1).			< 0.1 %
	611-341-5	613-167-00-5		
	Acute Tox. 2, Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H310 H301 H314 H318 H317 H400 H410 EUH071			

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

**SPAM Universal Cleaner****Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
78-96-6	201-162-7	1-aminopropan-2-ol	1 - < 5 %
		dermal: LD50 = 1851 mg/kg; oral: LD50 = 2813 mg/kg	
166736-08-9	605-450-7	2-propylheptanol ethoxylated, propoxylated	1 - < 5 %
		oral: LD50 = >300-2000 mg/kg	
68002-60-8	268-073-3	Quaternary ammonium compounds, coco alkyltrimethyl, Me sulfates	1 - < 5 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = 501-2000 mg/kg	
7320-34-5	230-785-7	tetrapotassium pyrophosphate	1 - < 5 %
		dermal: LD50 = >7940 mg/kg; oral: LD50 = >2000 mg/kg	
68439-46-3		Alcohols ,C9-C11, ethoxylated	1 - < 5 %
		oral: LD50 = >300 mg/kg	
55965-84-9	611-341-5	mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1).	< 0.1 %
		inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: LD50 = >141 mg/kg; oral: LD50 = 66 mg/kg Skin Corr. 1C; H314: >= 0,6 - 100 Skin Irrit. 2; H315: >= 0,06 - < 0,6 Eye Dam. 1; H318: >= 0,6 - 100 Eye Irrit. 2; H319: >= 0,06 - < 0,6 Skin Sens. 1A; H317: >= 0,0015 - 100 M akut; H400: M=100 M chron.; H410: M=100	

**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 (Methylchloroisothiazolinone/Methylisothiazolinone).

**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

#### General measures

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

#### Other information

Absorb with liquid-binding material (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

**SPAM Universal Cleaner****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.

**Hints on joint storage**

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	Exposure route	Effect	Value
78-96-6	1-aminopropan-2-ol			
Consumer DNEL, long-term		oral	systemic	0,76 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	3,6 mg/m <sup>3</sup>
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>

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### PNEC values

CAS No	Substance	
Environmental compartment		Value
78-96-6	1-aminopropan-2-ol	
Freshwater		0,0327 mg/l
Marine water		0,00327 mg/l
Freshwater sediment		0,229 mg/kg
Marine sediment		0,023 mg/kg
Micro-organisms in sewage treatment plants (STP)		3,3 mg/l
Soil		0,026 mg/kg
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/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.

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(DIN EN 374)

**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

**Changes in the physical state**

Melting point:	not determined
Boiling point or initial boiling point and boiling range:	100 °C
Flash point:	>70 °C

**Flammability**

Solid/liquid:	not applicable
Gas:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Auto-ignition temperature:	335 °C

**Self-ignition temperature**

Solid:	not applicable
Gas:	not applicable
Decomposition temperature:	not determined

**Oxidizing properties**

Not oxidising.

Vapour pressure: (at 20 °C)	not applicable
Density (at 20 °C):	1,03 g/cm <sup>3</sup>





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Water solubility: (at 20 °C)	completely miscible
<b>Solubility in other solvents</b> not determined	
Partition coefficient n-octanol/water:	not determined
Viscosity / dynamic: (at 20 °C)	10-100 mPa·s
Relative vapour density:	not determined
Evaporation rate:	not determined
Solvent content:	3,10 %

### 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 hazard classes as defined in Regulation (EC) No 1272/2008

#### Toxicokinetics, metabolism and distribution

No information available.

#### Acute toxicity

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



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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
78-96-6	1-aminopropan-2-ol				
	oral	LD50 2813 mg/kg	Rat	ECHA	OECD 401
	dermal	LD50 1851 mg/kg	Rabbit	ECHA	
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			
55965-84-9	mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1).				
	oral	LD50 66 mg/kg	Rat	Thor	
	dermal	LD50 >141 mg/kg		Thor	
	inhalation vapour	ATE 0,5 mg/l			
	inhalation aerosol	ATE 0,05 mg/l			

**Irritation and corrosivity**

Causes skin irritation.

Causes serious eye damage.

**Sensitising effects**

Contains mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1).. May produce an allergic reaction.

**Carcinogenic/mutagenic/toxic effects for reproduction**



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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.



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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
78-96-6	1-aminopropan-2-ol					
	Acute fish toxicity	LC50 215-464 mg/l	96 h	Leuciscus idus	ECHA	DIN 38412 part 15
	Acute algae toxicity	ErC50 32,7 mg/l	72 h	Scenedesmus subspicatus	IUCLID	DIN 38412, part 9,
	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	Danio rerio (zebrafish)		
	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	Danio rerio (zebrafish)		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	
	Acute bacteria toxicity	(>1000 mg/l)	3 h	Activated sludge		OECD 209
55965-84-9	mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1).					
	Acute fish toxicity	LC50 0,22 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	Thor	OECD 203
	Acute algae toxicity	ErC50 0,048 mg/l	72 h	Pseudokirchneriella subcapitata	Thor	OECD 201
	Acute crustacea toxicity	EC50 0,1 mg/l	48 h	Daphnia magna (Big water flea)	Thor	OECD 202

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Fish toxicity	NOEC mg/l	0,098	28 d	Oncorhynchus mykiss (Rainbow trout)	Thor	OECD 210
Algae toxicity	NOEC mg/l	0,0012	3 d	Pseudokirchneriella subcapitata	Thor	OECD 201
Crustacea toxicity	NOEC mg/l	0,004	21 d	Daphnia magna (Big water flea)	Thor	OECD 211
Acute bacteria toxicity	(7,92 mg/l)		3 h	Activated sludge		OECD 209

### 12.2. Persistence and degradability

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

CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
78-96-6	1-aminopropan-2-ol	OECD 306	68%	28	ECHA
	Readily biodegradable (according to OECD criteria).				
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).				
55965-84-9	mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1).	OECD 301 A	>70 %	28	Thor
	Readily biodegradable (according to OECD criteria).				
		OECD 301 D	>60%		Thor
	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	-0,96

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CAS No	Chemical name	BCF	Species	Source
55965-84-9	mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1).	3,16		EPIWIN, S 1177

**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.

**12.7. 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****Disposal recommendations**

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)**



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

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

- |  |  |
|--|--|
| <b>14.1. UN number:</b>                  | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | 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. Maritime transport in bulk according to IMO instruments

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

Restrictions on use (REACH, annex XVII):

Entry 3

2010/75/EU (VOC): 6,088 % (62,711 g/l)

2004/42/EC (VOC): 6,191 % (63,763 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 juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

### 15.2. Chemical safety assessment

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

**SPAM Universal Cleaner****Substance/product listed in the following inventories**

EU / Schweiz	yes
Taiwan	unknown
New Zealand	unknown
USA	yes
Canada	yes
Australia	no
Japan	unknown
China	yes
Korea	unknown
Philippines	unknown

**SECTION 16: Other information****Changes**

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

**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%

**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method

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

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.



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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.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1).. May produce an allergic reaction.

**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.

**Identified uses**

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Industrial use of vehicle cleaning products	IS	-	-	7, 10, 17	4	-	-	
2	Formulation or re-packing	F	-	-	8a, 9	2	-	-	
3	Professional use of vehicle cleaning products	PW	-	-	10, 11, 17	8a	-	-	
4	Consumer use of washing and cleaning products	C	-	35	-	8a	-	-	

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

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

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