

Printing date 26.07.2024 Version number 4 (replaces version 3) Revision: 21.11.2022

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

- 1.1 Product identifier
- Trade name: Summer screen wash concentrate 1:100 RM 672
- · UFI: E220-A0AM-M00X-Q1FK
- 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.
- · Application of the substance / the mixture Detergent
- 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

#### Alfred Kärcher SE & Co. KG

Alfred-Kärcher-Str. 28-40 D - 71364 Winnenden Tel.: +49-7195-14-0

#### Karcher Ltd

Unit 3 Redcow Retail Centre Robinhood Road, Ballymount Dublin 22 D22 PY03

Tel.: +353 1 409 7777

Internet: www.karcher.com

#### Further information obtainable from:

Regulatory Affairs Tel.: +49-7195-14-0 productsafety.management.de@karcher.com

#### 1.4 Emergency telephone number:

Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland.

Telephone Number: +353 (0)1 809 2166

For Hazardous Materials [or Dangerous Goods] Incidents

Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

### **SECTION 2: Hazards identification**

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

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Skin Sens. 1 H317 May cause an allergic skin reaction.

- · 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms





GHS05 GHS07

- Signal word Danger
- · Hazard-determining components of labelling:

sodium lauryl ether sulfate

2-methylisothiazol-3(2H)-one

docusate sodium

1,2-benzisothiazol-3(2H)-one

· Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Wear protective gloves / eye protection / face protection. P280

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

easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor. P310

P332+P313 If skin irritation occurs: Get medical advice/attention.

Dispose of contents/container in accordance with local/regional/national/international regulations. P501

- 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- vPvB: Not applicable.
- · Determination of endocrine-disrupting properties Not applicable.

### **SECTION 3: Composition/information on ingredients**

- 3.2 Mixtures
- Description: Mixture of substances listed below with non-hazardous additions.

· Dangerous compo	nents:	•
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CAS: 68891-38-3 NLP: 500-234-8

sodium lauryl ether sulfate

10-20%

Reg.nr.: 01-2119488639-16-XXXX

📀 Eye Dam. 1, H318; 🕩 Skin Irrit. 2, H315; Aquatic Chronic 3,

Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 %

Eye Irrit. 2; H319:  $5 \% \le C < 10 \%$ 

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CAS: 97489-15-1 EC number: 307-055-2 Reg.nr.: 01-2119489924-20-0000	sec. n-alkane C14-C17 sulphonate, sodium salt  Eye Dam. 1, H318;  Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 10 %  Eye Dam. 1; H318: C ≥ 15 %  Eye Irrit. 2; H319: 10 % ≤ C < 15 %	≥5-<10%
CAS: 577-11-7 EINECS: 209-406-4 Reg.nr.: 01-2119491296-29-XXXX	docusate sodium Eye Dam. 1, H318;  Skin Irrit. 2, H315	≥1-<3%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6	1,2-benzisothiazol-3(2H)-one  Acute Tox. 2, H330; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317  Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	≥0.025-<0.05%
CAS: 2372-82-9 EINECS: 219-145-8 Reg.nr.: 01-2119980592-29	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine  ♦ Acute Tox. 3, H301; ♦ STOT RE 2, H373; ♦ Skin Corr. 1A, H314; ♦ Aquatic Acute 1, H400 (M=10)	<0.025%
CAS: 2682-20-4 EINECS: 220-239-6 Index number: 613-326-00-9	2-methylisothiazol-3(2H)-one  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Skin Sens. 1A, H317, EUH071  Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.0015-<0.025%
CAS: 3811-73-2 EINECS: 223-296-5 Index number: 613-344-00-7 Reg.nr.: 01-2119493385-28	sodium pyrithione  Acute Tox. 3, H311; Acute Tox. 3, H331; STOT RE 1, H372; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317  ATE: LD50 oral: 500 mg/kg LD50 dermal: 790 mg/kg LC50/4 h inhalative: 0.5 mg/l	<0.0025%
Regulation (EC) No 648/2004	on detergents / Labelling for contents	
anionic surfactants		≥15 - <30%
DIPROPYLENEDIAMINE, METHYL	), preservation agents (BENZISOTHIAZOLINONE, LAURYLAMINE LISOTHIAZOLINONE, SODIUM PYRITHIONE, DNE/METHYLISOTHIAZOLINONE (3:1))	

# **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

### · After inhalation

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

#### After skin contact

If skin irritation continues, consult a doctor.

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Immediately wash with water and soap and rinse thoroughly. Immediately rinse with water.

- · After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing

Rinse out mouth and then drink plenty of water.

Seek immediate medical advice.

If symptoms persist consult doctor.

- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

# **SECTION 5: Firefighting measures**

- 5.1 Extinguishing media
- · Suitable extinguishing agents Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.
- · Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

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

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

Product forms slippery surface when combined with water.

Ensure adequate ventilation

#### 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Do not allow to penetrate the ground/soil.

#### 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Ensure adequate ventilation.

### 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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

### · 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid contact with eyes and skin.

- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- · Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Keep away from food, beverages and feed.
- · Further information about storage conditions: Protect from frost.
- 7.3 Specific end use(s) No further relevant information available.

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

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- 8.2 Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

- Respiratory protection: Not necessary if room is well-ventilated.
- · Hand protection



Protective gloves.

Material of gloves

Nitrile rubber, NBR

Butyl rubber, BR

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye/face protection



Tightly sealed goggles (EN 166)

## **SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties

General Information

Physical stateColour:FluidYellow

· Odour: Fruit-like

Odour threshold:
 Melting point/freezing point:
 Boiling point or initial boiling point and boiling range
 Flammability
 Not determined undetermined undetermined
 Not applicable.

· Lower and upper explosion limit

Lower: Not determined.
 Upper: Not determined.
 Flash point: Not applicable
 Auto ignition temperature: pot applicable

Auto-ignition temperature: not applicableDecomposition temperature: Not determined.

pH at 20 °C 8.7 pH-value 1 %: 7-9

· Viscosity:

Kinematic viscositydynamic:Not determined.Not determined.

Solubility

Water: Fully miscible
 Partition coefficient n-octanol/water (log value)
 Not determined.

· Vapour pressure at 20 °C: 23 hPa

· Density and/or relative density

Density at 20 °C:
 Relative density
 Vapour density
 Relative gas density
 Particle characteristics

1.028 g/cm³
Not determined.
Not determined.
Not applicable.

9.2 Other information

· Appearance:

· Form: Fluid

Important information on protection of health and environment, and on safety.

· **Ignition temperature**: Product is not selfigniting.

• Explosive properties: Product does not present an explosion hazard.

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		(Contd. of page 6)
· Change in condition		
· Evaporation rate	Not determined.	
Information with regard to physical hazard	classes	
Explosives	Void	
· Flammable gases	Void	
· Aerosols	Void	
· Oxidising gases	Void	
Gases under pressure	Void	
· Flammable liquids	Void	
· Flammable solids	Void	
· Self-reactive substances and mixtures	Void	
· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
· Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit flammab	le gases	
in contact with water	Void	
· Oxidising liquids	Void	
· Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

### **SECTION 10: Stability and reactivity**

- · 10.1 Reactivity corresponds to 10.3
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known

# **SECTION 11: Toxicological information**

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50	values rel	evant for classification:
97489-15-	-1 sec. n-a	ılkane C14-C17 sulphonate, sodium salt
Oral	LD50	>500-2000 mg/kg (Rat)

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577-11-7 c	577-11-7 docusate sodium		
Oral	LD50	4200 mg/kg (Rat)	
Dermal	LD50	10000 mg/kg (Rat)	
2372-82-9	2372-82-9 N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine		
Oral	LD50	261 mg/kg (Rat) (OECD 401)	
2682-20-4	2-methyli	sothiazol-3(2H)-one	
Oral	LD50	120-249 mg/kg (Rat)	
Dermal	LD50	192-294 mg/kg (Rat)	
Inhalative	LC50/4 h	0.1-0.13 mg/l (Rat)	

- · Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye damage.
- · Respiratory or skin sensitisation May cause an allergic skin reaction.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity 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.
- 11.2 Information on other hazards

Endocrine disrupting properties	
128-37-0 Butylated hydroxytoluene	List II

# **SECTION 12: Ecological information**

· 12.1 Toxicity

Aquatic toxicity:			
68891-38-3 sodium lauryl ether sulfate			
LC50	>10-100 mg/l (fish)		
EC50	>100 mg/l (bacteria)		
97489-15-1 se	ec. n-alkane C14-C17 sulphonate, sodium salt		
LC50/96 h	1-10 mg/l (Danio rerio) (OECD 203)		
EC50/48 h	9.81 mg/l (Daphnia magna) (OECD 202)		
EC50/72 h	>61 mg/l (Desmodesmus subspicatus) (OECD 201)		
NOEC (static)	0.36 mg/l /22 d (Daphnia magna) (OECD 202)		
	0.85 mg/l /28 d (Oncorhynchus mykiss) (OECD 204)		
2634-33-5 1,2-	benzisothiazol-3(2H)-one		
LC50/96 h	1.6 mg/l (F26) (OECD 203)		
EC50/48 h	3.27 mg/l (Daphnia magna) (OECD 202)		
EC50/72 h	0.11 mg/l (F29) (OECD 201)		
EC50/3h	13 mg/l (STP)		
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NOEC	1.2 mg/l /21 d (Daphnia magna)	
	0.04 mg/l /72 h (F29)	
	0.21 mg/l /28 d (Oncorhynchus mykiss)	
2372-82-9 N-	(3-aminopropyl)-N-dodecylpropane-1,3-diamine	
LC50/96 h	0.68 mg/l (F26) (OECD 203)	
	0.45 mg/l (Lepomis macrochirus) (US-EPA)	
EC50/48 h	0.073 mg/l (Daphnia magna) (US-EPA)	
ErC50/96h 0.054 mg/l (Pseudokirchneriella subcapitata)		
NOEC 0.024 mg/l (Daphnia magna) (OECD 211, 21d)		
2682-20-4 2-1	methylisothiazol-3(2H)-one	
LC50/96 h	6 mg/l (F26) (OECD 203)	
EC50/48 h	1.68 mg/l (Daphnia magna) (OECD 202)	
EC50/72 h	0.157 mg/l (Pseudokirchneriella subcapitata) (OECD 201)	
NOEC	0.55 mg/l (Daphnia magna) (OECD 211)	
	2.38 mg/l (fish) (OECD 210)	

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · **vPvB:** Not applicable.
- · 12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.
- 12.7 Other adverse effects
- Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

# **SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods
- Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations.

•	European	waste	catalogue	

20 01 29\* detergents containing hazardous substances

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- Uncleaned packaging:
- · Recommendation:

Non contaminated packagings may be recycled.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

· Recommended cleansing agents: Water, if necessary together with cleaning agents.

SECTION 14: Transport information		
14.1 UN number or ID number ADR, IMDG, IATA	Void	
14.2 UN proper shipping name ADR, IMDG, IATA	Void	
14.3 Transport hazard class(es)		
ADR, ADN, IMDG, IATA Class	Void	
14.4 Packing group ADR, IMDG, IATA	Void	
14.5 Environmental hazards:	Not applicable.	
14.6 Special precautions for user	Not applicable.	
14.7 Maritime transport in bulk according instruments	g to IMO  Not applicable.	
UN "Model Regulation":	Void	

### **SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- · National regulations
- · Information about limitation of use: Employment restrictions concerning juveniles must be observed.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

A product information sheet can be provided if requested.

#### Relevant phrases

Harmful if swallowed. H302

- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- May cause an allergic skin reaction. H317
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H331 Toxic if inhaled.
- Causes damage to organs through prolonged or repeated exposure. H372
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH071 Corrosive to the respiratory tract.

#### Classification according to Regulation (EC) No 1272/2008

Skin corrosion/irritation
Serious eye damage/irritation
Skin sensitisation

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

#### Contact:

Regulatory Affairs

Tel.: +49-7195-14-0

productsafety.management.de@karcher.com

### · Version number of previous version: 3

#### Abbreviations and acronyms:

ADR: Accord relatif au transport international 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 Harmonised 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 (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Acute Tox. 3: Acute toxicity - Category 3

Acute Tox. 4: Acute toxicity – Category 4 Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1A: Skin corrosion/irritation - Category 1A Skin Corr. 1B: Skin corrosion/irritation - Category 1B

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Dam. 1: Serious eye damage/eye irritation - Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

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Skin Sens. 1: Skin sensitisation – Category 1 Skin Sens. 1A: Skin sensitisation – Category 1A

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard — Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard — Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard — Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard — Category 3

\* Data compared to the previous version altered.

0.011-068.0

RM 672/1

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