

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6

Revision: 03.09.2020

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****· 1.1 Product identifier****· Trade name: Disinfectant Cleaner, liquid RM 732****· UFI:** 81D0-10DP-500A-FN22**· 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**

Disinfectant

High pressure cleaner

**· 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

**Kärcher (UK) Ltd.**

Kärcher House

Brookhill Way

Banbury

Oxon OX16 3ED

Great Britain

Tel.: +44-1295-752-000

Internet: [www.karcher.com](http://www.karcher.com)**· Further information obtainable from:**

Department TCD-D

Tel.: +49-7195-14-2548

Fax : +49-7195-14-3164

[productsafety.management@de.kaercher.com](mailto:productsafety.management@de.kaercher.com)**· 1.4 Emergency telephone number:**

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**

Met. Corr.1

H290 May be corrosive to metals.

Skin Irrit. 2

H315 Causes skin irritation.

(Contd. on page 2)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6

Revision: 03.09.2020

**Trade name: Disinfectant Cleaner, liquid RM 732***(Contd. of page 1)*

Eye Dam. 1 H318 Causes serious eye damage.  
Aquatic Acute 1 H400 Very toxic to aquatic life.  
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

**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 GHS09

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

N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine)

**Hazard statements**

H290 May be corrosive to metals.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P280 Wear protective gloves / eye protection / face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P406 Store in a corrosion resistant container / container with a resistant inner liner.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Labelling of packages where the contents do not exceed 125 ml****Hazard pictograms**

GHS05 GHS09

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

N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine)

**Hazard statements**

H318 Causes serious eye damage.

**Precautionary statements**

P280 Wear protective gloves / eye protection / face protection.

*(Contd. on page 3)*

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6

Revision: 03.09.2020

**Trade name: Disinfectant Cleaner, liquid RM 732**
*(Contd. of page 2)*

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor.

### · 2.3 Other hazards

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.

### · Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

### · 3.2 Chemical characterisation: Mixtures

· **Description:** Cleaning agent

#### · Dangerous components:

CAS: 2372-82-9 EINECS: 219-145-8 Reg.nr.: 01-2119980592-29	N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine) ⚠ Acute Tox. 3, H301; ⚠ STOT RE 2, H373; ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥5-<10%
CAS: 69011-36-5	isotridecanoethoxylate + 8 EO ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	≥1-<3%
CAS: 79-33-4 EINECS: 201-196-2	L-Lactic acid (2-hydroxy propionic acid) ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	≥1-<3%
CAS: 68891-38-3 NLP: 500-234-8 Reg.nr.: 01-2119488639-16-XXXX	sodium lauryl ether sulfate ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Aquatic Chronic 3, H412	≥1-<2.5%
CAS: 5538-95-4 EINECS: 226-902-6	N-Dodecylpropane-1,3-diamine ⚠ Skin Corr. 1A, H314; ⚠ Aquatic Acute 1, H400; ⚠ Acute Tox. 4, H302	≥0.25-<1%
CAS: 124-22-1 EINECS: 204-690-6	dodecylamine ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	≥0.025-<0.1%

#### · Regulation (EC) No 648/2004 on detergents / Labelling for contents

non-ionic surfactants, anionic surfactants	<5%
disinfectants	

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

### · 4.1 Description of first aid measures

#### · General information

Involve doctor immediately.

*(Contd. on page 4)*

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6

Revision: 03.09.2020

**Trade name: Disinfectant Cleaner, liquid RM 732***(Contd. of page 3)*

Immediately remove any clothing soiled by the product.

**· After inhalation**

Take affected persons into fresh air and keep quiet.

Do not use mouth to mouth or mouth to nose resuscitation.

Use a respiratory bag or breathing device.

Call a doctor immediately.

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

Supply fresh air; consult doctor in case of complaints.

**· After skin contact**

Call a doctor immediately.

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

**· After eye contact**

Ophthalmologic follow-up care

Rinse opened eye for several minutes under running water. Then consult a doctor.

**· After swallowing**

Rinse out mouth and then drink plenty of water.

A person vomiting while laying on their back should be turned onto their side.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

If symptoms persist consult doctor.

**· 4.2 Most important symptoms and effects, both acute and delayed** Corneal damage**· 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**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**· For safety reasons unsuitable extinguishing agents** Water with full jet.**· 5.2 Special hazards arising from the substance or mixture**

Nitrogen oxides (NO<sub>x</sub>)

Hydrogen chloride (HCl)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

**· 5.3 Advice for firefighters****· Protective equipment:** Wear self-contained respiratory protective device.**· Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

GB

*(Contd. on page 5)*

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6

Revision: 03.09.2020

**Trade name: Disinfectant Cleaner, liquid RM 732***(Contd. of page 4)***SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

**· 6.2 Environmental precautions:**

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).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

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.

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:**

Ensure good ventilation of storage rooms.

Provide floor trough without outlet.

Store only in the original receptacle.

**· Information about storage in one common storage facility:**

Do not store together with acids.

Keep away from food, beverages and feed.

**· Further information about storage conditions:**

Store under lock and key and out of the reach of children.

Keep receptacle tightly sealed.

**· 7.3 Specific end use(s)** No further relevant information available.

GB

*(Contd. on page 6)*

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6

Revision: 03.09.2020

**Trade name: Disinfectant Cleaner, liquid RM 732**

(Contd. of page 5)

### SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Additional information about design of technical facilities:** No further data; see item 7.

· **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.

· **DNELs**

**2372-82-9 N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine)**

Oral	DNEL	0.2 mg/kg*d (consumer)
Dermal	DNEL	0.91 mg/kg*d (employee)
Inhalative	DNEL	0.54 mg/kg*d (consumer)
		2.35 mg/m3 (employee)
		0.7 mg/m3 (consumer)

· **PNECs**

**2372-82-9 N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine)**

PNEC	0.001 mg/l (freshwater)
	0 mg/l (marine water)
	0.18 mg/l (STP)
PNEC sediment	8.5 mg/kg (freshwater)
	0.13 mg/kg (marine water)
PNEC soil	45.34 mg/kg (soil)

· **8.2 Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.

· **Respiratory protection:**

Filter A/P2.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Not necessary if room is well-ventilated.

· **Protection of hands:**



Protective gloves.

· **Material of gloves** Butyl rubber, BR

· **Penetration time of glove material**

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

(Contd. on page 7)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6

Revision: 03.09.2020

**Trade name: Disinfectant Cleaner, liquid RM 732**

(Contd. of page 6)

- **For the permanent contact gloves made of the following materials are suitable:**
  - \* butyl rubber 0,7 mm, 480 min (EN 374)
- **As protection from splashes gloves made of the following materials are suitable:**
  - \* nitril rubber 0,4 mm, 30 min (EN 374)
- **Eye protection:**



Tightly sealed goggles (EN 166)

- **Body protection:**
  - Apron
  - Boots

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

Form: Fluid  
Colour: Light yellow

· Odour: Amine-like

· Odour threshold: Not determined.

· pH-value at 20 °C: 9.9

· pH-value 1 %: 8.9

· pH 1 % dem. 9.6

##### · Change in condition

Melting point/freezing point: undetermined

Initial boiling point and boiling range: 100 °C

· Flash point: Not applicable

· Flammability (solid, gaseous) Not applicable.

· Ignition temperature: not applicable

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

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

##### · Explosion limits:

Lower: Not determined.

Upper: Not determined.

· Vapour pressure: Not determined.

· Density at 20 °C: 1.026 g/cm<sup>3</sup>

· Relative density Not determined.

(Contd. on page 8)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6

Revision: 03.09.2020

**Trade name: Disinfectant Cleaner, liquid RM 732**

*(Contd. of page 7)*

· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Fully miscible
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
dynamic at 20 °C:	8 mPas
kinematic:	Not determined.
· <b>Solvent content:</b>	
VOC (EC)	0.00 %
Solids content:	20.2 %
· <b>9.2 Other information</b>	No further relevant information available.

### 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**  
Strong exothermic reaction with acids  
Reacts with light alloys to form hydrogen  
Corrodes aluminium
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Not compatible with alkali-sensitive substances like Sn, Zn, Al and paintings.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

**2372-82-9 N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine)**

Oral	LD50	261 mg/kg (Rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (Rat)

**69011-36-5 isotridecanoethoxylate + 8 EO**

Oral	ATE	500 mg/kg (Rat)
------	-----	-----------------

*(Contd. on page 9)*



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6

Revision: 03.09.2020

**Trade name: Disinfectant Cleaner, liquid RM 732**

(Contd. of page 8)

### 124-22-1 dodecylamine

Inhalative	LC50	1,020 mg/kg (Rat)
------------	------	-------------------

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

## SECTION 12: Ecological information

### · 12.1 Toxicity

#### · Aquatic toxicity:

#### 2372-82-9 N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine (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	0.0069 mg/l (Desmodesmus subspicatus)
	0.024 mg/l (Daphnia magna) (OECD 211, 21d)

#### 69011-36-5 isotridecanoethoxylate + 8 EO

LC50/96 h	1-10 mg/l (Leuciscus idus)
EC50/48 h	1-10 mg/l (Aquatic invertebrates)
EC50/72 h	1-10 mg/l (Aquatic plants)

#### 68891-38-3 sodium lauryl ether sulfate

LC50	>10-100 mg/l (fish)
EC50	>100 mg/l (bacteria)

### · 12.2 Persistence and degradability

#### 69011-36-5 isotridecanoethoxylate + 8 EO

Bismuth-act. sup.	≥90 % (mod. OECD 301 E)
-------------------	-------------------------

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

(Contd. on page 10)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6

Revision: 03.09.2020

**Trade name: Disinfectant Cleaner, liquid RM 732**

*(Contd. of page 9)*

- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **COD-value:** 425000 mg/l

· **General notes:**

The surfactant(s) contained in this preparation 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.

The contained organic complexing agents reach a DOC-elimination grade of 80% (corresponding to No. 406 of Annex "Analytic and measuring methods") and with this meet the tightened demands of Annex 49 of the revised Directive on liquid waste.

The product does not contain organically bounded halogens (AOX-free).

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

Must not reach sewage water or drainage ditch undiluted or unneutralised.

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

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

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

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

### 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
-----------	--

· **Uncleaned packaging:**

· **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Packagings that may not be cleansed are to be disposed of in the same manner as the product. Non contaminated packagings may be recycled.

*(Contd. on page 11)*

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6




Revision: 03.09.2020

**Trade name: Disinfectant Cleaner, liquid RM 732**

(Contd. of page 10)

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

### SECTION 14: Transport information

· <b>14.1 UN-Number</b> · <b>ADR, IMDG, IATA</b>	UN1760
· <b>14.2 UN proper shipping name</b> · <b>ADR</b>  · <b>IMDG</b>  · <b>IATA</b>	1760 CORROSIVE LIQUID, N.O.S. (N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine)), ENVIRONMENTALLY HAZARDOUS CORROSIVE LIQUID, N.O.S. (N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine)), MARINE POLLUTANT CORROSIVE LIQUID, N.O.S. (N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine))
· <b>14.3 Transport hazard class(es)</b>  · <b>ADR</b>    · <b>Class</b> · <b>Label</b>	8 (C9) Corrosive substances. 8
· <b>IMDG</b>    · <b>Class</b> · <b>Label</b>	8 Corrosive substances. 8
· <b>IATA</b>    · <b>Class</b> · <b>Label</b>	8 Corrosive substances. 8
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	III

(Contd. on page 12)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6

Revision: 03.09.2020

**Trade name: Disinfectant Cleaner, liquid RM 732**

*(Contd. of page 11)*

<ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> <li>· <b>Special marking (ADR):</b></li> </ul>	<p>Product contains environmentally hazardous substances: N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine)</p> <p>Yes</p> <p>Symbol (fish and tree)</p> <p>Symbol (fish and tree)</p>
<ul style="list-style-type: none"> <li>· <b>14.6 Special precautions for user</b></li> <li>· <b>Hazard identification number (Kemler code):</b></li> <li>· <b>EMS Number:</b></li> <li>· <b>Stowage Category</b></li> <li>· <b>Stowage Code</b></li> </ul>	<p>Warning: Corrosive substances.</p> <p>80</p> <p>F-A,S-B</p> <p>A</p> <p>SW2 Clear of living quarters.</p>
<ul style="list-style-type: none"> <li>· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b></li> </ul>	<p>Not applicable.</p>
<ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> </ul>	
<ul style="list-style-type: none"> <li>· <b>ADR</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> <li>· <b>Transport category</b></li> <li>· <b>Tunnel restriction code</b></li> </ul>	<p>5L</p> <p>Code: E1</p> <p>Maximum net quantity per inner packaging: 30 ml</p> <p>Maximum net quantity per outer packaging: 1000 ml</p> <p>3</p> <p>E</p>
<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	<p>5L</p> <p>Code: E1</p> <p>Maximum net quantity per inner packaging: 30 ml</p> <p>Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>	<p>UN 1760 CORROSIVE LIQUID, N.O.S. (N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (DIAMINE)), 8, III, ENVIRONMENTALLY HAZARDOUS</p>

### 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.
- **Seveso category E1** Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

*(Contd. on page 13)*

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6

Revision: 03.09.2020

**Trade name: Disinfectant Cleaner, liquid RM 732**

*(Contd. of page 12)*

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **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.

### SECTION 16: Other information

· **Reasons for alterations**

· **Relevant phrases**

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

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.

H412 Harmful to aquatic life with long lasting effects.

· **Classification according to Regulation (EC) No 1272/2008**

Corrosive to metals  
Skin corrosion/irritation

On basis of test data

Serious eye damage/eye irritation  
Hazardous to the aquatic environment - short-term  
(acute) aquatic hazard  
Hazardous to the aquatic environment - long-term  
(chronic) aquatic hazard

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

· **Department issuing SDS:** TCD-D

· **Contact:**

Department TCD-D

Tel.: +49-7195-14-2548

Fax : +49-7195-14-3164

productsafety.management@de.kaercher.com

· **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 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)

VOC: Volatile Organic Compounds (USA, EU)

*(Contd. on page 14)*

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 27.11.2020

Version number 6

Revision: 03.09.2020

**Trade name: Disinfectant Cleaner, liquid RM 732***(Contd. of page 13)*

DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Met. Corr. 1: Corrosive to metals – Category 1  
Acute Tox. 3: Acute toxicity - oral – Category 3  
Acute Tox. 4: Acute toxicity - oral – Category 4  
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  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
Asp. Tox. 1: Aspiration hazard – Category 1  
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.**

· 0-011-688-0                      RM 732/4                      2-352