

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

Printing date 05.02.2021

Version number 5

Revision: 31.05.2016

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

· **1.1 Product identifier**

· **Trade name:** Gel Glass Cleaner RM 724G

· **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** Glass 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

Postfach 160  
D - 71349 Winnenden  
Tel.: +49-7195-14-0

Fax : +49-7195-14-2212

[www.karcher.com](http://www.karcher.com)

**Distributor:**  
Kaercher (UK) Ltd.  
Kaercher House  
Beaumont Road  
Banbury  
Oxon OX16 1TB  
Great Britain

Tel.: +44-1295-752-000  
Fax : +44-1295-266-436

· **Further information obtainable from:**

Department CSD-D  
Tel.: +49-7195-14-2548  
[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)

GB

(Contd. on page 2)

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

Printing date 05.02.2021

Version number 5

Revision: 31.05.2016

**Trade name: Gel Glass Cleaner RM 724G**

(Contd. of page 1)

**SECTION 2: Hazards identification**

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

Eye Irrit. 2 H319 Causes serious eye irritation.

- **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**



GHS07

- **Signal word** Warning
- **Hazard statements**  
H319 Causes serious eye irritation.
- **Precautionary statements**  
P102 Keep out of reach of children.  
P264 Wash thoroughly after handling.  
P280 Wear 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.**  
P337+P313 **If eye irritation persists: Get medical advice/attention.**

- **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 Mixtures**
- **Description:** Cleaning agent

· **Dangerous components:**

CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25-xxxx	propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	10-20%
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(Contd. on page 3)

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

Printing date 05.02.2021

Version number 5

Revision: 31.05.2016

**Trade name: Gel Glass Cleaner RM 724G**

		(Contd. of page 2)
CAS: 1569-01-3 EINECS: 216-372-4	<i>1-propoxypropan-2-ol</i> ⚠ Flam. Liq. 3, H226; ⚠ Eye Irrit. 2, H319	1-5%
CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3 Reg.nr.: 01-2119457435-35-XXXX	<i>1-methoxypropan-2-ol</i> ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	1-5%
CAS: 1336-21-6 EINECS: 215-647-6 Index number: 007-001-01-2 Reg.nr.: 02-2119752451-43-0000	<i>ammonia, aqueous solution</i> ⚠ Skin Corr. 1C, H314; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; ⚠ STOT SE 3, H335 Specific concentration limit: STOT SE 3; H335: C ≥ 5 %	0.1-<0.25%

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

· **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**
  - **After inhalation** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact** Rinse with warm water.
  - **After eye contact** Rinse opened eye for several minutes under running water.
  - **After swallowing**  
Rinse out mouth and then drink plenty of water.  
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**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with alcohol resistant foam.
  - **For safety reasons unsuitable extinguishing agents** Water with full jet.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **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.

GB

(Contd. on page 4)

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

Printing date 05.02.2021

Version number 5

Revision: 31.05.2016

**Trade name: Gel Glass Cleaner RM 724G**

(Contd. of page 3)

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.
- **6.2 Environmental precautions:**  
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**  
No dangerous substances are released.  
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:** No special requirements.
  - **Information about storage in one common storage facility:**  
Keep away from food, beverages and feed.
  - **Further information about storage conditions:** Keep receptacle tightly sealed.
- **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:**

**67-63-0 propan-2-ol**

WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm
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**107-98-2 1-methoxypropan-2-ol**

WEL	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
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(Contd. on page 5)

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

Printing date 05.02.2021

Version number 5

Revision: 31.05.2016

**Trade name: Gel Glass Cleaner RM 724G**

(Contd. of page 4)

· **DNELs**

**67-63-0 propan-2-ol**

Oral	DNEL	26 mg/kg*d (consumer)
Dermal	DNEL	888 mg/kg*d (employee)
		319 mg/kg*d (consumer)
Inhalative	DNEL	500 mg/m <sup>3</sup> (employee)
		89 mg/m <sup>3</sup> (consumer)

· **PNECs**

**67-63-0 propan-2-ol**

PNEC	140.9 mg/l (freshwater)
	140.9 mg/l (marine water)
	140.9 mg/l (STP)
	2,251 mg/l (STP)
PNEC sediment	552 mg/kg (freshwater)
	552 mg/kg (marine water)
PNEC soil	28 mg/kg (soil)

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see item 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· **Respiratory protection:**

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.

· **Hand protection** Not required.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **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.

· **Eye/face protection**



Tightly sealed goggles (EN 166)

GB

(Contd. on page 6)

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

Printing date 05.02.2021

Version number 5

Revision: 31.05.2016

**Trade name: Gel Glass Cleaner RM 724G**

(Contd. of page 5)

**SECTION 9: Physical and chemical properties**

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

**· General Information**

· <b>Physical state</b>	Fluid
· <b>Colour:</b>	Blue
· <b>Odour:</b>	Specific type
· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/freezing point:</b>	-10 °C
· <b>Boiling point or initial boiling point and boiling range</b>	undetermined
· <b>Flammability</b>	Not applicable.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Flash point:</b>	36 °C
· <b>Auto-ignition temperature:</b>	Does not support burning
· <b>Decomposition temperature:</b>	Product is not selfigniting.
· <b>pH at 20 °C</b>	Not determined.
· <b>pH-value 1 %:</b>	9
· <b>Viscosity:</b>	8.4
· <b>Kinematic viscosity</b>	Not determined.
· <b>dynamic at 20 °C:</b>	205 mPas
· <b>Solubility</b>	
· <b>Water:</b>	Fully miscible
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	43 hPa
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	0.978 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.

**· 9.2 Other information**

· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Ignition temperature:</b>	not applicable
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	14.0 %
· <b>VOC (EC)</b>	14.00 %
· <b>Solids content:</b>	0.5 %
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not determined.

**· Information with regard to physical hazard classes**

· <b>Explosives</b>	Void
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(Contd. on page 7)

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

Printing date 05.02.2021

Version number 5

Revision: 31.05.2016

**Trade name: Gel Glass Cleaner RM 724G**

(Contd. of page 6)

· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void
· <b>Additional information</b>	Does not support burning

**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 relevant for classification:**

<b>67-63-0 propan-2-ol</b>		
Dermal	LD50	12,800 mg/kg (Rabbit)
		12,800 mg/kg (rabbit)
Inhalative	LC50	5,280 mg/kg (Rat)
<b>107-98-2 1-methoxypropan-2-ol</b>		
Inhalative	LC50	4,016 mg/kg (Rat)

(Contd. on page 8)

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

Printing date 05.02.2021

Version number 5

Revision: 31.05.2016

**Trade name: Gel Glass Cleaner RM 724G**

(Contd. of page 7)

**1336-21-6 ammonia, aqueous solution**

Oral	LDLo	43 mg/kg (human) 750 mg/kg (cat)
	LC50	350 mg/kg (Rat)
Inhalative	LCLo	5,000 ppm (human)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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**

None of the ingredients is listed.

**SECTION 12: Ecological information**

· **12.1 Toxicity**

· **Aquatic toxicity:**

**67-63-0 propan-2-ol**

LC50/96 h	9,640 mg/l (Pimephales promelas)
EC50/48 h	13,299 mg/l (Daphnia magna)
EC50/72 h	>1,000 mg/l (Desmodesmus subspicatus)
EC10/18 h	>1,000 mg/l (Pseudomonas putida) (DIN 38412)

**1336-21-6 ammonia, aqueous solution**

LC50/96 h	0.75-3.4 mg/l (Pimephales promelas)
EC50/48 h	24 mg/l (Daphnia magna)
EC50/96 h	0.53 mg/l (Oncorhynchus mykiss)

- **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.

(Contd. on page 9)



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

Printing date 05.02.2021

Version number 5

Revision: 31.05.2016

**Trade name: Gel Glass Cleaner RM 724G**

(Contd. of page 8)

- **12.7 Other adverse effects**
- **Additional ecological information:**
- **COD-value:** 386000 mg/l
- **General notes:**

*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*

**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**

07 06 04*	other organic solvents, washing liquids and mother liquors
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- **Uncleaned packaging:**

- **Recommendation:** *Non contaminated packagings may be recycled.*

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

**SECTION 14: Transport information**

- **14.1 UN number or ID number**

- **ADR, ADN, IMDG, IATA** Void

- **14.2 UN proper shipping name**

- **ADR, ADN, 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:**

- **Marine pollutant:** No

- **14.6 Special precautions for user**

*Not applicable.*

- **14.7 Maritime transport in bulk according to IMO instruments**

*Not applicable.*

- **Transport/Additional information:**

*Not dangerous according to the above specifications.*

(Contd. on page 10)

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

Printing date 05.02.2021

Version number 5

Revision: 31.05.2016

**Trade name: Gel Glass Cleaner RM 724G**

(Contd. of page 9)

· **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.

### **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**  
H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H400 Very toxic to aquatic life.

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

Serious eye damage/eye irritation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
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- **Department issuing SDS:** CSD-D
- **Contact:**  
Department CSD-D  
Tel.: +49-7195-14-2548  
productsafety.management@de.kaercher.com
- **Version number of previous version:** 4
- **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

(Contd. on page 11)

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

Printing date 05.02.2021

Version number 5

Revision: 31.05.2016

**Trade name: Gel Glass Cleaner RM 724G**

(Contd. of page 10)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

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

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

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

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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

· **\* Data compared to the previous version altered.**

· 0-011-382-0

RM 724 G/9-1

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