

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 27.09.2024

Version number 2 (replaces version 1)

Revision: 13.10.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking**· 1.1 Product identifier****· Trade name: Polish & Wax RM 660****· UFI:** 9020-T0N7-A00E-1PVH**· 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 Polishing agent/ Burnishing compound**· 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

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:**

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 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

GHS07

· Signal word Warning

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· **Hazard-determining components of labelling:**

2-methylisothiazol-3(2H)-one
 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone
 1,2-benzisothiazol-3(2H)-one

· **Hazard statements**

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.

P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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

· **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 components:**

| | | |
|---|---|--------------|
| CAS: 64742-48-9 EC number: 918-481-9 Reg.nr.: 01-2119457273-39 | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics ⚠️ Asp. Tox. 1, H304, EUH066 | 1-5% |
| 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 | 1-5% |
| CAS: 54464-57-2 EINECS: 259-174-3 | 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ⚠️ Aquatic Chronic 2, H411; ⚠️ Skin Irrit. 2, H315; Skin Sens. 1, H317 | ≥0.1-<0.25% |
| 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 % | ≥0.025-<0.1% |
| 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 % | <0.05% |

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

| | |
|--|-----|
| aliphatic hydrocarbons | <5% |
| perfumes (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES, LIMONENE, LINALOOL), preservation agents (METHYLISOTHIAZOLINONE, BENZISOTHIAZOLINONE) | |

- **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** If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **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** Use fire extinguishing methods suitable to surrounding conditions.

· 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.

SECTION 6: Accidental release measures**· 6.1 Personal precautions, protective equipment and emergency procedures** Not required.**· 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.

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· 6.3 Methods and material for containment and cleaning up:

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

· 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** 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.

· 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) |

· PNECs**67-63-0 propan-2-ol**

| | |
|---------------|---|
| PNEC | 140.9 mg/l (freshwater) 140.9 mg/l (marine water) 140.9 mg/l (STP) 2251 mg/l (STP) |
| PNEC sediment | 552 mg/kg (freshwater) 552 mg/kg (marine water) |

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| | |
|-----------|-----------------|
| PNEC soil | 28 mg/kg (soil) |
|-----------|-----------------|

· 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.
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Hand protection**



Protective gloves.

- **Material of gloves** 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.

- **Eye/face protection**

Goggles recommended during refilling.



Tightly sealed goggles (EN 166)

* SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

| | |
|---|-----------------|
| · Physical state | Fluid |
| · Colour: | Whitish |
| · Odour: | Fruit-like |
| · Odour threshold: | Not determined. |
| · Melting point/freezing point: | undetermined |
| · Boiling point or initial boiling point and boiling range | undetermined |
| · Flammability | Not applicable. |
| · Lower and upper explosion limit | |
| · Lower: | Not determined. |
| · Upper: | Not determined. |
| · Flash point: | Not applicable |
| · Auto-ignition temperature: | not applicable |
| · Decomposition temperature: | Not determined. |
| · pH at 20 °C | 9.8 |
| · Viscosity: | Not determined. |
| · Kinematic viscosity | Not determined. |
| · dynamic: | Not determined. |

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| | |
|--|---|
| · 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: | 1.125 g/cm ³ |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |
| · Relative gas density | Not determined. |
| · Particle characteristics | Not applicable. |
| · 9.2 Other information | |
| · Appearance: | |
| · Form: | Viscous |
| · 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. |
| · Change in condition | |
| · Softening point/range | |
| · Oxidising properties | no |
| · 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 flammable 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

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

| | | |
|--------|------|---------------------------------|
| Oral | LD50 | 5840 mg/kg (Rat) (OECD 401) |
| Dermal | LD50 | 13900 mg/kg (Rabbit) (OECD 402) |

2682-20-4 2-methylisothiazol-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) |

· **Primary irritant effect:**

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **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 |
| 540-97-6 | Dodecamethylcyclohexasiloxane | List II |
| 541-02-6 | decamethylcyclopentasiloxane | List II |
| 556-67-2 | octamethylcyclotetrasiloxane | List II; III |

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SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****67-63-0 propan-2-ol**

| | |
|-----------|---|
| LC50/96 h | 9640 mg/l (Pimephales promelas) |
| EC50/48 h | 13299 mg/l (Daphnia magna) |
| EC50/72 h | >1000 mg/l (Desmodesmus subspicatus) |
| EC10/18 h | >1000 mg/l (Pseudomonas putida) (DIN 38412) |

2682-20-4 2-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 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**

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 to IMO instruments**

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

- H225 Highly flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H336 May cause drowsiness or dizziness.
- 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.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH071 Corrosive to the respiratory tract.

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

| | |
|--------------------|--|
| 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: 1**· 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)
- 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
- Acute Tox. 3: Acute toxicity – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Acute Tox. 2: Acute toxicity – Category 2
- 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 SE 3: Specific target organ toxicity (single exposure) – Category 3

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

• * Data compared to the previous version altered.

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