

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

Printing date 08.02.2021

Revision: 08.02.2021

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

- **1.1 Product identifier**
- **Trade name:** Aerosol 1K Klarlack glaenzend
- (Article number) product ID.: REZ1233
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** painting
- **Uses advised against** No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Peter Kwasny GmbH  
Heilbronner Str. 96  
D-74831 Gundelsheim
- **Further information obtainable from:** Product safety department
- **1.4 Emergency telephone number:** Tel.: +49 6269 95 20
- **national:**  
National Poisons Information Service, Birmingham  
Tel.: 844 892 0111
- **K-Nr.** 0001

Tel.: 0049-(0)6269-95-20  
E-mail: labor@kwasny.de

**SECTION 2: Hazards identification**

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



flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



Eye Irrit. 2 H319 Causes serious eye irritation.  
STOT SE 3 H336 May cause drowsiness or dizziness.

- **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**



GHS02 GHS07

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
acetone  
n-butyl acetate

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 08.02.2021

Revision: 08.02.2021

**Trade name: Aerosol 1K Klarlack glaenzend**

(Contd. of page 1)

2-ethoxy-1-methylethyl acetate

**· Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**· Precautionary statements**

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

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P271 Use only outdoors or in a well-ventilated area.

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

P312 Call a POISON CENTER/doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

**· Additional information:**

Without adequate ventilation, explosive atmosphere/gas mix may be created.

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

EUH208 Contains Reaktionsgemisch von Pentamethyl-piperidyl-sebacat. May produce an allergic reaction.

**· 2.3 Other hazards**
**· Results of PBT and vPvB assessment**
**· PBT:** Not applicable.

**· vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**· 3.2 Chemical characterisation: Mixtures**
**· Description:** Mixture of substances listed below with nonhazardous additions.

**· Dangerous components:**

|  |   |         |
|--|---|---------|
| CAS: 115-10-6<br>EINECS: 204-065-8<br>Reg.nr.: 01-2119472128-37-xxxx   | dimethyl ether<br>⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280          | 25-<50% |
| CAS: 67-64-1<br>EINECS: 200-662-2<br>Reg.nr.: 01-2119471330-49-xxxx    | acetone<br>⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336    | 10-<25% |
| CAS: 123-86-4<br>EINECS: 204-658-1<br>Reg.nr.: 01-2119485493-29-xxxx   | n-butyl acetate<br>⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336                | 10-<25% |
| CAS: 110-12-3<br>EINECS: 203-737-8<br>Reg.nr.: 01-2119472300-51-xxxx   | 5-methylhexan-2-one<br>⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332         | 1-<2.5% |
| CAS: 54839-24-6<br>EINECS: 259-370-9<br>Reg.nr.: 01-2119475116-39-xxxx | 2-ethoxy-1-methylethyl acetate<br>⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336 | 1-<2.5% |
| CAS: 108-65-6<br>EINECS: 203-603-9<br>Reg.nr.: 01-2119475791-29-xxxx   | 2-methoxy-1-methylethyl acetate<br>⚠ Flam. Liq. 3, H226                   | 1-<2.5% |

(Contd. on page 3)

## Safety data sheet

### according to 1907/2006/EC, Article 31

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Revision: 08.02.2021

**Trade name: Aerosol 1K Klarlack glaenzend**

(Contd. of page 2)

- **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:** Generally the product does not irritate the skin.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** 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:** Cool container with water
- **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.

#### **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:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
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**  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**  
Do not spray onto a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

(Contd. on page 4)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 08.02.2021

Revision: 08.02.2021

Trade name: Aerosol 1K Klarlack glaenzend

(Contd. of page 3)

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

### 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:**

#### 115-10-6 dimethyl ether

|     |   |
|-----|---|
| WEL | Short-term value: 958 mg/m <sup>3</sup> , 500 ppm<br>Long-term value: 766 mg/m <sup>3</sup> , 400 ppm |
|-----|---|

#### 67-64-1 acetone

|     |  |
|-----|--|
| WEL | Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm<br>Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm |
|-----|--|

#### 123-86-4 n-butyl acetate

|     |   |
|-----|---|
| WEL | Short-term value: 966 mg/m <sup>3</sup> , 200 ppm<br>Long-term value: 724 mg/m <sup>3</sup> , 150 ppm |
|-----|---|

#### 110-12-3 5-methylhexan-2-one

|     |   |
|-----|---|
| WEL | Short-term value: 475 mg/m <sup>3</sup> , 100 ppm<br>Long-term value: 95 mg/m <sup>3</sup> , 20 ppm<br>Sk |
|-----|---|

· **Additional information:** The lists valid during the making were used as basis.

- 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.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.

· **Respiratory protection:**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Half mask with combination filter, class A1P2 minimum, or breathing mask with outer air supply.

· **Protection of hands:**

Protective gloves



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves** Nitrile rubber, NBR· **Penetration time of glove material**

Gloves must be changed after every contamination.

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

· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

butyl rubber, 0,7mm

(Contd. on page 5)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2021

Revision: 08.02.2021

Trade name: Aerosol 1K Klarlack glaenzend

(Contd. of page 4)

- **Eye protection:**  
Safety glasses



Tightly sealed goggles

### SECTION 9: Physical and chemical properties

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

##### · General Information

##### · Appearance:

- |                    |                                    |
|--------------------|------------------------------------|
| Form:              | Aerosol                            |
| Colour:            | According to product specification |
| · Odour:           | Characteristic                     |
| · Odour threshold: | Not determined.                    |

- |             |                 |
|-------------|-----------------|
| · pH-value: | Not determined. |
|-------------|-----------------|

##### · Change in condition

- |  |               |
|--|---------------|
| Melting point/freezing point:            | Undetermined. |
| Initial boiling point and boiling range: | -24.9 °C      |

- |                |                                   |
|----------------|-----------------------------------|
| · Flash point: | -19 °C<br>Without propellant gas. |
|----------------|-----------------------------------|

- |                              |                 |
|------------------------------|-----------------|
| · Flammability (solid, gas): | Not applicable. |
|------------------------------|-----------------|

- |                              |                 |
|------------------------------|-----------------|
| · Decomposition temperature: | Not determined. |
|------------------------------|-----------------|

- |                              |                              |
|------------------------------|------------------------------|
| · Auto-ignition temperature: | Product is not selfigniting. |
|------------------------------|------------------------------|

- |                         |  |
|-------------------------|--|
| · Explosive properties: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible.<br>Not determined. |
|-------------------------|--|

##### · Explosion limits:

- |        |            |
|--------|------------|
| Lower: | 1.2 Vol %  |
| Upper: | 18.6 Vol % |

- |                             |          |
|-----------------------------|----------|
| · Vapour pressure at 20 °C: | 3400 hPa |
|-----------------------------|----------|

- |                     |                         |
|---------------------|-------------------------|
| · Density at 20 °C: | 0.826 g/cm <sup>3</sup> |
| · Relative density  | Not determined.         |
| · Vapour density    | Not determined.         |
| · Evaporation rate  | Not applicable.         |

##### · Solubility in / Miscibility with water:

Not miscible or difficult to mix.

- |   |                 |
|---|-----------------|
| · Partition coefficient: n-octanol/water: | Not determined. |
|---|-----------------|

##### · Viscosity:

- |            |                 |
|------------|-----------------|
| Dynamic:   | Not determined. |
| Kinematic: | Not determined. |

##### · Solvent content:

- |                   |   |
|-------------------|---|
| Organic solvents: | 79.8 %<br>With propellant gas. Content given by weight. |
| VOC (EU)          | 79.76 %   |

(Contd. on page 6)

## Safety data sheet

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Revision: 08.02.2021

Trade name: Aerosol 1K Klarlack glaenzend

(Contd. of page 5)

|                        |        |
|------------------------|--------|
| <b>Solids content:</b> | 20.2 % |
|------------------------|--------|

|                                |  |
|--------------------------------|--|
| <b>· 9.2 Other information</b> | No further relevant information available. |
|--------------------------------|--|

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **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 toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

|  |  |
|--|--|
| <b>· LD/LC50 values relevant for classification:</b> |  |
|--|--|

|                                       |  |  |
|---------------------------------------|--|--|
| <b>ATE (Acute Toxicity Estimates)</b> |  |  |
|---------------------------------------|--|--|

|            |          |          |
|------------|----------|----------|
| Inhalative | LC50/4 h | 441 mg/l |
|------------|----------|----------|

- **Primary irritant effect:**
- **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.
- **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**  
May cause drowsiness or dizziness.
- **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:** No further relevant information available.
- **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.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Ikke relevant.
- **12.6 Other adverse effects** No further relevant information available.

GB

(Contd. on page 7)

**Safety data sheet**  
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Trade name: Aerosol 1K Klarlack glaenzend

(Contd. of page 6)

**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.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

|   |  |
|---|--|
| · <b>14.1 UN-Number</b>   | UN1950   |
| · <b>ADR, IMDG, IATA</b>  |  |
| · <b>14.2 UN proper shipping name</b>   | 1950 AEROSOLS  |
| · <b>ADR</b>  | AEROSOLS   |
| · <b>IMDG</b>   | AEROSOLS   |
| · <b>IATA</b>   | AEROSOLS, flammable  |
| · <b>14.3 Transport hazard class(es)</b>  |  |
| · <b>ADR</b>  |  |
|  |  |
| · <b>Class</b>  | 2.5F Gases.  |
| · <b>Label</b>  | 2.1  |
| · <b>IMDG, IATA</b>   |  |
|  |  |
| · <b>Class</b>  | 2.1  |
| · <b>Label</b>  | 2.1  |
| · <b>14.4 Packing group</b>   | Void   |
| · <b>ADR, IMDG, IATA</b>  | not classified   |
| · <b>14.5 Environmental hazards:</b>  | Not applicable.  |
| · <b>14.6 Special precautions for user</b>  | Warning: Gases.  |
| · <b>Hazard identification number (Kemler code):</b>                                | -  |
|   | not classified   |
| · <b>EMS Number:</b>  | F-D,S-U  |
| · <b>Stowage Code</b>   | SW1 Protected from sources of heat.<br>SW2 Clear of living quarters. |

(Contd. on page 8)

GB



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2021

Revision: 08.02.2021

Trade name: Aerosol 1K Klarlack glaenzend

(Contd. of page 7)

|  |   |
|--|---|
| · <b>Segregation Code</b>  | SG69 For AEROSOLS with a maximum capacity of 1 litre:<br>Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.<br>For AEROSOLS with a capacity above 1 litre:<br>Segregation as for the appropriate subdivision of class 2.<br>For WASTE AEROSOLS:<br>Segregation as for the appropriate subdivision of class 2. |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.   |
| · <b>Transport/Additional information:</b>                                       |   |
| -----  |   |
| · <b>ADR</b>   |   |
| · <b>Limited quantities (LQ)</b>   | 1L  |
| · <b>Excepted quantities (EQ)</b>  | Code: E0<br>Not permitted as Excepted Quantity  |
| · <b>Transport category</b>  | 2   |
| · <b>Tunnel restriction code</b>   | D   |
| -----  |   |
| · <b>IMDG</b>  |   |
| · <b>Limited quantities (LQ)</b>   | 1L  |
| · <b>Excepted quantities (EQ)</b>  | Code: E0<br>Not permitted as Excepted Quantity  |
| · <b>UN "Model Regulation":</b>  | UN 1950 AEROSOLS, 2.1   |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
VOC: <840g/l
  - **Directive 2012/18/EU**
  - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
  - **Seveso category P3a** FLAMMABLE AEROSOLS
  - **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
  - **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
  - **National regulations:**
  - **Technical instructions (air):**
- | Class | Share in % |
|-------|------------|
| NK    | 50-100     |
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
  - **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.

- **Relevant phrases**
- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H319 Causes serious eye irritation.

(Contd. on page 9)



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

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Revision: 08.02.2021

**Trade name: Aerosol 1K Klarlack glaenzend**

(Contd. of page 8)

*H332 Harmful if inhaled.**H336 May cause drowsiness or dizziness.*

- **Department issuing SDS:** Product safety department

- **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*

*Flam. Gas 1A: Flammable gases – Category 1A*

*Aerosol 1: Aerosols – Category 1*

*Press. Gas (Comp.): Gases under pressure – Compressed gas*

*Flam. Liq. 2: Flammable liquids – Category 2*

*Flam. Liq. 3: Flammable liquids – Category 3*

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

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

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

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

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