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

1.1 Product identifier

Trade name: Aerosol Fill in fuer 2K Serie A

Article number (product ID.): REZ81

1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the mixture:
painting
FOR PROFESSIONAL USE ONLY
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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS02 flame

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

GHS07

Acute Tox. 4  H332  Harmful if inhaled.
Eye Irrit. 2  H319  Causes serious eye irritation.
Skin Sens. 1  H317  May cause an allergic skin reaction.
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

(Contd. on page 2)
**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 03.02.2020
Revision: 03.02.2020

**Trade name: Aerosol Fill in fuer 2K Serie A**

· Signal word Danger

· Hazard-determining components of labelling:
  Aliphatisches Polyisocyanat (HDI oligomers, isocyanurate)
  acetone
  n-butyl acetate

· Hazard statements
  H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
  H332 Harmful if inhaled.
  H319 Causes serious eye irritation.
  H317 May cause an allergic skin reaction.
  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 label before use.
  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.
  P261 Avoid breathing vapours/spray.
  P271 Use only outdoors or in a well-ventilated area.
  P302+P352 IF ON SKIN: Wash with plenty of water.
  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.
  P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
  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.
  EUH204 Contains isocyanates. May produce an allergic reaction.

· Information concerning particular hazards for human and environment: 1272/2008/EC,II, 3.2
  2.3 Other hazards
  · Results of PBT and vPvB assessment
    · PBT: Not applicable.
    · vPvB: Not applicable.

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

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

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS: 204-065-8</th>
<th>Reg.nr.: 01-2119472128-37-xxxx</th>
<th>dimethyl ether</th>
<th>Flam. Gas 1, H220; Press. Gas (Comp.), H280</th>
<th>50-100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 115-10-6</td>
<td>[EINECS: 204-065-8</td>
<td>Reg.nr.: 01-2119472128-37-xxxx</td>
<td>acetone</td>
<td>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336</td>
<td>10-&lt;25%</td>
</tr>
<tr>
<td>CAS: 67-64-1</td>
<td>EINECS: 200-662-2</td>
<td>Reg.nr.: 01-2119471330-49-xxxx</td>
<td>Aliphatisches Polyisocyanat (HDI oligomers, isocyanurate)</td>
<td>Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H336</td>
<td>10-&lt;25%</td>
</tr>
</tbody>
</table>
### SECTION 4: First aid measures

- **4.1 Description of first aid measures**

  **General information:**
  Immediately remove any clothing soiled by the product.
  Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

  **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.

  **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

  **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 whit water

- **5.2 Special hazards arising from the substance or mixture**
  No further relevant information available.

- **5.3 Advice for firefighters**
  - Protective equipment: Mouth respiratory protective device.

### 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.
Trade name: Aerosol Fill in fuer 2K Serie A

- **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.

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

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

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

- **8.1 Control parameters**

  - **Ingredients with limit values that require monitoring at the workplace:**
    
    | CAS Number | Short-term value: | Long-term value: |
    |------------|-------------------|-----------------|
    | 115-10-6 | dimethyl ether | 958 mg/m³, 500 ppm | 766 mg/m³, 400 ppm |
    | 67-64-1 | acetone | 3620 mg/m³, 1500 ppm | 1210 mg/m³, 500 ppm |
    | 123-86-4 | n-butyl acetate | 966 mg/m³, 200 ppm | 724 mg/m³, 150 ppm |

- **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:**
      - 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.
      - 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

(Contd. on page 5)
Trade name: Aerosol Fill in fuer 2K Serie A

- 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
- 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: Aerosol
  - 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: <0 °C
  - Without propellant gas.

- Flammability (solid, gas): Not applicable.

- Ignition temperature: 235 °C

- 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.
  - Not determined.

- Explosion limits:
  - Lower: 2.6 Vol %
  - Upper: 18.6 Vol %

- Vapour pressure at 20 °C: 3,400 hPa

- Density at 20 °C: 0.766 g/cm³
- 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: 88.2 %
With propellant gas. Content given by weight.
VOC (EU) 88.18 %

Solids content: 11.8 %

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.
10.2 Chemical stability
10.3 Possibility of hazardous reactions: No decomposition if used according to specifications.
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
Harmful if inhaled.

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
May cause an allergic skin reaction.
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.
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.

- European waste catalogue
  15 01 10* packaging containing residues of or contaminated by hazardous substances

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

SECTION 14: Transport information

- 14.1 UN-Number
  - ADR, IMDG, IATA
    UN1950

- 14.2 UN proper shipping name
  - ADR
    1950 AEROSOLS
  - IMDG
    AEROSOLS
  - IATA
    AEROSOLS, flammable

- 14.3 Transport hazard class(es)
  - ADR
    - Class
      2.5F Gases.
    - Label
      2.1

  - IMDG, IATA

  - Class
    2.1
  - Label
    2.1

- 14.4 Packing group
  - ADR, IMDG, IATA
    Void
    not classified

- 14.5 Environmental hazards:
  - Marine pollutant:
    No
Trade name: Aerosol Fill in fuer 2K Serie A

14.6 Special precautions for user

- Danger code (Kemler): Warning: Gases.
- EMS Number: not classified
- Stowage Code SW1 Protected from sources of heat.
- Stowage Code SW2 Clear of living quarters.
- Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow “separated from” class 1 except for division 1.4.
- Segregation Code For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2.
- Segregation Code For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Transport/Additional information:
  - ADR
  - Limited quantities (LQ) 1L
  - Excepted quantities (EQ) Code: E0 Not permitted as Excepted Quantity
  - Transport category 2
  - Tunnel restriction code D
  - IMDG
  - Limited quantities (LQ) 1L
  - Excepted quantities (EQ) Code: E0 Not permitted as Excepted Quantity

UN “Model Regulation”: 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
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- 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.
  H317 May cause an allergic skin reaction.
  H319 Causes serious eye irritation.
  H332 Harmful if inhaled.
  H335 May cause respiratory irritation.
  H336 May cause drowsiness or dizziness.

- Department issuing SDS: Product safety department

- Abbreviations and acronyms:
  RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  ICAO: International Civil Aviation Organisation
  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)
  LC50: Lethal concentration; 50 percent
  LD50: Lethal dose; 50 percent
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  Flam. Gas 1: Flammable gases – Category 1
  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 - inhalation – Category 4
  Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  Skin Sens. 1: Skin sensitisation – Category 1
  STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

* Data compared to the previous version altered.