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

- **1.1 Product identifier**
  - **Trade name:** Aerosol diverse Farbtoene NC Spezial
  - **Article number (product ID.):** REZ10

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

  - **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**
    - 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

Trade name: Aerosol diverse Farbtoene NC Spezial

- 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 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.
  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.

- Additional information: Without adequate ventilation, explosive atmosphere/gas mix may be created.

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.

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Reg.nr.</th>
<th>Dangerous components:</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1</td>
<td>200-662-2</td>
<td>01-2119471330-49-xxxx</td>
<td>acetone</td>
</tr>
<tr>
<td>74-98-6</td>
<td>200-827-9</td>
<td>01-2119486944-21-xxxx</td>
<td>propane</td>
</tr>
<tr>
<td>106-97-8</td>
<td>203-448-7</td>
<td>01-2119486949-32-xxxx</td>
<td>butane (containing ≤ 0.1 % butadiene (203-450-8))</td>
</tr>
<tr>
<td>123-86-4</td>
<td>204-658-1</td>
<td>01-2119485493-29-xxxx</td>
<td>n-butyl acetate</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>215-535-7</td>
<td>01-2119488216-32-xxxx</td>
<td>xylene</td>
</tr>
<tr>
<td>9004-70-0</td>
<td></td>
<td></td>
<td>Nitrocellulose</td>
</tr>
</tbody>
</table>

GB
Trade name: Aerosol diverse Farbtoene NC Spezial

<table>
<thead>
<tr>
<th>CAS: 108-65-6</th>
<th>2-methoxy-1-methylethyl acetate</th>
<th>2.5-&lt;5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 203-603-9</td>
<td>Flam. Liq. 3, H226</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-2119475791-29-xxxx</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 64-17-5</th>
<th>Ethanol</th>
<th>2.5-&lt;5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 200-578-6</td>
<td>Flam. Liq. 2, H225; Eye Irrit. 2, H319</td>
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</tr>
<tr>
<td>Reg.nr.: 01-2119457610-43-xxxx</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 108-10-1</th>
<th>4-methylpentan-2-one</th>
<th>2.5-&lt;5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 203-550-1</td>
<td>Flam. Liq. 2, H225; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-2119473980-30-xxxx</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: 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 with water.
  - For safety reasons unsuitable extinguishing agents: Water with full jet.

- 5.2 Special hazards arising from the substance or mixture: Can form explosive gas-air mixtures.

- 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 product to reach sewage system or any water course.
  - Inform respective authorities in case of seepage into water course or sewage system.
  - Do not allow to enter sewers/surface or ground water.

- 6.3 Methods and material for containment and cleaning up:
  - Ensure adequate ventilation.
  - Do not flush with water or aqueous cleansing agents.

- 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.
  Take note of emission threshold.
  Use only in well ventilated areas.
  Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
· 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:
  Store in a cool location.
  Observe official regulations on storing packagings with pressurised containers.
  · Information about storage in one common storage facility: Not required.
  · Further information about storage conditions: Protect from heat and direct sunlight.
  · 7.3 Specific end use(s) No further relevant information available.

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:

  **67-64-1 acetone**
  WEL Short-term value: 3620 mg/m³, 1500 ppm
  Long-term value: 1210 mg/m³, 500 ppm

  **106-97-8 butane (containing ≤0,1 % butadiene (203-450-8))**
  WEL Short-term value: 1810 mg/m³, 750 ppm
  Long-term value: 1450 mg/m³, 600 ppm
  Carc (if more than 0.1% of buta-1.3-diene)

  **123-86-4 n-butyl acetate**
  WEL Short-term value: 966 mg/m³, 200 ppm
  Long-term value: 724 mg/m³, 150 ppm

  **1330-20-7 xylene**
  WEL Short-term value: 441 mg/m³, 100 ppm
  Long-term value: 220 mg/m³, 50 ppm
  Sk; BMGV

  **108-65-6 2-methoxy-1-methylethyl acetate**
  WEL Short-term value: 548 mg/m³, 100 ppm
  Long-term value: 274 mg/m³, 50 ppm
  Sk

  **64-17-5 ethanol**
  WEL Long-term value: 1920 mg/m³, 1000 ppm
Trade name: Aerosol diverse Farbtoene NC Spezial

108-10-1 4-methylpentan-2-one

WEL 
- Short-term value: 416 mg/m³, 100 ppm
- Long-term value: 208 mg/m³, 50 ppm

Sk, BMGV

- Ingredients with biological limit values:

1330-20-7 xylene

BMGV 
- 650 mmol/mol creatinine
  - Medium: urine
  - Sampling time: post shift
  - Parameter: methyl hippuric acid

108-10-1 4-methylpentan-2-one

BMGV 
- 20 µmol/L
  - Medium: urine
  - Sampling time: post shift
  - Parameter: 4-methylpentan-2-one

- 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.
  - Do not inhale gases / fumes / aerosols.
  - 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:
  - 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

- Eye protection:

Tightly sealed goggles

(Contd. on page 6)
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
- General Information
  - Appearance: 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: Not applicable, as aerosol.

- Flash point: <0 °C
  - Without propellant gas.

- Flammability (solid, gas): Not applicable.

- Ignition temperature: 365 °C

- Decomposition temperature: Not determined.

- Auto-ignition temperature: Product is not selfigniting.

- Explosive properties: In use, may form flammable/explosive vapour-air mixture.

- Explosion limits:
  - Lower: 1.5 Vol %
  - Upper: 13.0 Vol %

- Vapour pressure at 20 °C: 3600 hPa

- Density: Not determined.
- 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: 82.7 %
    - With propellant gas. Content given by weight.
  - VOC (EU): 82.66 %

- Solids content: 16.2 %

9.2 Other information
No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No further relevant information available.

10.2 Chemical stability

10.3 Possibility of hazardous reactions
Reacts with acids, alkalis and oxidising agents.
SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: Based on available data, the classification criteria are not met.
- 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.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
  - Germ cell mutagenicity: 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.
- Persistence and degradability: No further relevant information available.
- Bioaccumulative potential: No further relevant information available.
- 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.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Ikke relevant.
- 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.

- 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

(Contd. on page 8)
### 14.2 UN proper shipping name
- **ADR**: 1950 AEROSOLS
- **IMDG**: AEROSOLS
- **IATA**: AEROSOLS, flammable

### 14.3 Transport hazard class(es)
- **ADR**
  - **Class**: 2
  - **Label**: 5F Gases.
- **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

### 14.6 Special precautions for user
- **Danger code (Kemler)**: not classified
- **EMS Number**: F-D-S-U
- **Stowage Code**
  - SW1 Protected from sources of heat.
  - SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C. 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. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. 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 category**: 2
- **Tunnel restriction code**: D
- **Not applicable.**

### Transport/Additional information:
- **ADR**
  - **Limited quantities (LQ)**: 1L
  - **Excepted quantities (EQ)**
    - **Code**: E0
    - **Not permitted as Excepted Quantity**
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 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):

<table>
<thead>
<tr>
<th>Class</th>
<th>Share in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>NK</td>
<td>50-100</td>
</tr>
</tbody>
</table>

- Water hazard 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.
  H228 Flammable solid.
  H280 Contains gas under pressure; may explode if heated.
  H312 Harmful in contact with skin.
  H315 Causes skin irritation.
  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
- Contact: Hr. Hamberger

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

(Contd. on page 10)
Trade name: Aerosol diverse Farbtoene NC Spezial

CAS: Chemical Abstracts Service (division of the American Chemical Society)
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 C: Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Flam. Sol. 1: Flammable solids – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicities (single exposure) – Category 3

* Data compared to the previous version altered.