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

- 1.1 Product identifier
  - Trade name: Aerosol Molotow Premium diverse Farben
  - Article number (product ID.): REZ586
- 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
    National Poisons Information Service, Birmingham
    Tel.: 844 892 0111
    K-Nr. 0001
- 1.4 Emergency telephone number:
  - Tel.:+49 6269 95 20
  - national: National Poisons Information Service, Birmingham
    Tel.: 844 892 0111

**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

Printing date 28.03.2017 Revision: 28.03.2017
Trade name: Aerosol Molotow Premium diverse Farben

Hazard statements
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H36 May cause drowsiness or dizziness.

Precautionary statements
P210 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.
P103 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.
P335 Call a poison control centre 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.
Contains CAS 222716-38-3 Polyamide and fatty acid derivatives. May produce an allergic reaction.

2.3 Other hazards
Contains CAS 222716-38-3 Polyamide and fatty acid derivatives. May produce an allergic reaction.

2.4 First-aid measures
In case of contact:
Remove contaminated clothing and shoes. Wash skin with soap and water.

In case of larger amounts of product:
Remove to fresh air. Give one or more glasses of water. If breathing is difficult, give oxygen. Keep the victim warm and at a comfortable temperature. Seek medical attention.

In case of fire:
Do not use water. Use dry chemical powder, foam or carbon dioxide (CO2). Avoid inhalation.

Other information:
Benzene, toluene.

SECTION 3: Composition/information on ingredients
- 3.2 Chemical characterisation: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.

- Dangerous components:

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Reg.nr.</th>
<th>Mixture</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>01-2119474691-32-xxxx</td>
<td>butane (containing ≤ 0,1 % butadiene (203-450-8))</td>
</tr>
<tr>
<td>108-65-6</td>
<td>203-603-9</td>
<td>01-2119475791-29-xxxx</td>
<td>2-methoxy-1-methylethyl acetate</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>75-28-5</td>
<td>200-857-2</td>
<td>01-2119485395-27-xxxx</td>
<td>isobutane (containing ≤ 0,1 % butadiene (203-450-8))</td>
</tr>
</tbody>
</table>

(Contd. on page 3)
### 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.

- **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 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.
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.
Pressurized 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:

<table>
<thead>
<tr>
<th>Compound</th>
<th>WEL Short-term value</th>
<th>Long-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1 acetone</td>
<td>3620 mg/m³, 1500 ppm</td>
<td>1210 mg/m³, 500 ppm</td>
</tr>
<tr>
<td>106-97-8 butane (containing ≤0,1 % butadiene (203-450-8))</td>
<td>1810 mg/m³, 750 ppm</td>
<td>1450 mg/m³, 600 ppm</td>
</tr>
<tr>
<td>108-65-6 2-methoxy-1-methylethyl acetate</td>
<td>548 mg/m³, 100 ppm</td>
<td>274 mg/m³, 50 ppm</td>
</tr>
<tr>
<td>123-86-4 n-butyl acetate</td>
<td>966 mg/m³, 200 ppm</td>
<td>724 mg/m³, 150 ppm</td>
</tr>
<tr>
<td>1330-20-7 xylene</td>
<td>441 mg/m³, 100 ppm</td>
<td>220 mg/m³, 50 ppm</td>
</tr>
<tr>
<td>64-17-5 ethanol</td>
<td>1920 mg/m³, 1000 ppm</td>
<td></td>
</tr>
</tbody>
</table>

Sk; BMGV

(Contd. on page 5)
Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Biological Limit Value</th>
<th>Medium</th>
<th>Sampling Time</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>650 mmol/mol creatinine</td>
<td>urine</td>
<td>post shift</td>
<td>methyl hippuric acid</td>
</tr>
</tbody>
</table>

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 / flames / 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
Trade name: Aerosol Molotow Premium diverse Farben

- **Flash point:** 
  - Without propellant gas, not determined.
- **Flammability (solid, gas):** Not applicable.
- **Ignition temperature:** 315 °C
- **Decomposition temperature:** Not determined.
- **Auto-ignition temperature:** Product is not self-igniting.
- **Explosive properties:** In use, may form flammable/explosive vapour-air mixture.
- **Explosion limits:**
  - Lower: 1.7 Vol %
  - Upper: 13.0 Vol %
- **Vapour pressure at 20 °C:** 3600 hPa
- **Density:** Not determined.
- **Relative density**
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- **Vapour density**
  - Organic solvents: 77.7 %
  - With propellant gas. Content given by weight.
  - VOC (EU): 77.67 %
- **Solvents content:**
  - Organic solvents: 77.7 %
  - VOC (EU): 77.67 %
- **Solids content:** 22.2 %

**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** Reacts with acids, alkalis and oxidising agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials** No further relevant information available.
- **10.6 Hazardous decomposition products** Possible in traces.

**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.

(Contd. on page 7)
**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.

**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.
Trade name: Aerosol Molotow Premium diverse Farben

- Label
- IMDG, IATA
  - Class
    - Label

14.4 Packing group
- ADR, IMDG, IATA
  Void

14.5 Environmental hazards:
- Marine pollutant: No

14.6 Special precautions for user
- Warning: Gases.
- Danger code (Kemler):
- not classified
- EMS Number: F-D, S-U
- Stowage Code
  SW1 Protected from sources of heat.
  SW2 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
- Not applicable.

- 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

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category P3a FLAMMABLE AEROSOLS

(Contd. on page 9)
SEM: 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
  H200 Unstable explosives.
  H220 Extremely flammable gas.
  H225 Highly flammable liquid and vapour.
  H260 Flammable liquid and vapour.
  H280 Contains gas under pressure; may explode if heated.
  H302 Harmful if swallowed.
  H312 Harmful in contact with skin.
  H315 Causes skin irritation.
  H317 May cause an allergic skin reaction.
  H319 Causes serious eye irritation.
  H322 Harmful if inhaled.
  H335 May cause drowsiness or dizziness.
  H361 Suspected of damaging fertility or the unborn child.
  H373 May cause damage to organs through prolonged or repeated exposure.
  H400 Very toxic to aquatic life.
  H410 Very toxic to aquatic life with long lasting effects.

- Department issuing SDS: Product safety department
- Contact: Hr. Hamberger

- 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
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  Unst. Expl.: Explosives – Unstable explosive
  Flam. Gas 1: Flammable gases – Category 1
  Flam. Liq. 1: Flammable liquids – Category 1
  Flam. Liq. 2: Flammable liquids – Category 2
  Flam. Liq. 3: Flammable liquids – Category 3
  Acute Tox. 4: Acute toxicity – Category 4
  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
  Skin Sens. 1: Skin sensitisation – Category 1
  Repr. 2: Reproductive toxicity – Category 2

(Contd. on page 10)
Trade name: Aerosol Molotow Premium diverse Farben

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
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
* Data compared to the previous version altered.

This safety data sheet is valid for the following item numbers / colors of BELTOMOLOTOW PREMIUM 400ml sprays: