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

1.1 Product identifier
- Trade name: Rittal Decklack-Spray

1.2 Relevant identified uses of the substance or mixture and uses advised against
- No further relevant information available.

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: RITTAL GmbH & Co.KG
  Auf dem Stützelberg
  D-35745 Herborn
  Phone: +49 2772 505 0
  e-mail: info@rittal.de

1.4 Emergency telephone number:
- Informationszentrale gegen Vergiftungen Bonn
  Tel.: 0228/19240 (emergency)
  0228/287-3-3480 (office)
  Fax: 0228/287-3-3278

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

- 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
  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.

(Contd. on page 2)
P251 Do not pierce or burn, even after use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**Additional information:**
EUH066 Repeated exposure may cause skin dryness or cracking. Buildup of explosive mixtures possible without sufficient ventilation.

**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>Description</th>
<th>%</th>
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</thead>
<tbody>
<tr>
<td>67-64-1</td>
<td>200-662-2</td>
<td>01-2119471330-49</td>
<td>acetone Flam. Liq. 2; H225; Eye Irrit. 2; H319; STOT SE 3, H336</td>
<td>25-50%</td>
</tr>
<tr>
<td>123-86-4</td>
<td>204-658-1</td>
<td>01-2119485493-29</td>
<td>n-Butyl acetate Flam. Liq. 3; H226; STOT SE 3, H336</td>
<td>≤20%</td>
</tr>
<tr>
<td>74-98-6</td>
<td>200-827-9</td>
<td>01-21194869440-21</td>
<td>propane Flam. Gas 1, H220; Press. Gas (Liq.), H280</td>
<td>10-25%</td>
</tr>
<tr>
<td>106-97-8</td>
<td>203-448-7</td>
<td>01-2119474691-31</td>
<td>butane Flam. Gas 1, H220; Press. Gas (Comp.), H280</td>
<td>2.5&lt;10%</td>
</tr>
<tr>
<td>75-28-5</td>
<td>200-857-2</td>
<td>01-2119485395-27</td>
<td>isobutane Flam. Gas 1, H220; Press. Gas (Comp.), H280</td>
<td>2.5&lt;10%</td>
</tr>
<tr>
<td>108-65-6</td>
<td>203-603-9</td>
<td>01-2119475791-29</td>
<td>2-Methoxy-1-methylethyl acetate Flam. Liq. 3; H226; STOT SE 3, H336</td>
<td>&lt;2.5%</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:** 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.

- **4.3 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: CO2, sand, extinguishing powder. Do not use water.
- For safety reasons unsuitable extinguishing agents: Water with full jet

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

5.3 Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.
- Do not inhale explosion gases or combustion gases.

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:
- 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.
- Open and handle receptacle with care.
- Information about fire - and explosion protection:
  - Do not spray onto a naked flame or any incandescent material.
  - Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.
  - 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: Store away from foodstuffs.
  - Further information about storage conditions:
    - Do not seal receptacle gas tight.
    - Keep container tightly sealed.
    - Store in cool, dry conditions in well sealed receptacles.

(Contd. on page 4)
Trade name: Rittal Decklack-Spray

Protect from heat and direct sunlight.

- Storage class: 2 B
- 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
    - 123-86-4 n-Butyl acetate
      - WEL Short-term value: 966 mg/m³, 200 ppm
      - Long-term value: 724 mg/m³, 150 ppm
    - 106-97-8 butane
      - 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)
    - 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

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

- 8.2 Exposure controls
  - 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:
    - 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.
    - Filter AX/P2 (EN 141, EN 143)
  - Protection of hands:
    - Protective gloves (EN 374)
  - Material of gloves
    - Butyl rubber, BR
    - Recommended thickness of the material: ≥ 0.7 mm
**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: -44.5 °C
  - **Flash point:** <0 °C (DIN 53213)
  - **Flammability (solid, gas):** Not applicable.
  - **Ignition temperature:** 365 °C (DIN 51794)
  - **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.
  - **Explosion limits:**
    - Lower: 1.2 Vol %
    - Upper: 13 Vol %
  - **Vapour pressure at 20 °C:** 8,300 hPa
  - **Density at 20 °C:** 0.801 g/cm³ (DIN 53217)
  - **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.
**Trade name: Rittal Decklack-Spray**

| · Solvent content: | 81.06 % |
| · VOC (EC) |  |
| · Solids content (weight-%): | 18.9 % |
| · 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**
  - 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:** Carbon monoxide

**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.
  - 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): slightly hazardous for water
    - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - **12.5 Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
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**
  - 08 01 11*: waste paint and varnish containing organic solvents or other hazardous substances
  - 15 01 04: metallic packaging
  - 14 06 03*: other solvents and solvent mixtures
- **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
  - UN1950 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

**14.5 Environmental Hazards:**
- **Marine Pollutant:** No
Trade name: Rittal Decklack-Spray

14.6 Special precautions for user

Warning: Gases.

Danger code (Kemler):
- 

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

Not applicable.

Transport/Additional information:

ADR
- Transport category 2
- Tunnel restriction code D

IMDG
- Limited quantities (LQ) 1L
- 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
- 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:

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

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.
  - H336 May cause drowsiness or dizziness.

- **Classification according to Regulation (EC) No 1272/2008**
The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- **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)
  - VOC: Volatile Organic Compounds (USA, EU)
  - 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
  - Press. Gas (Liq.): Gases under pressure – Liquefied gas
  - Flam. Liq. 2: Flammable liquids – Category 2
  - Flam. Liq. 3: Flammable liquids – Category 3
  - 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.