1 Identification of the substance/preparation and of the company/undertaking

- Product details
  - Trade name: Acryl-Lackspray 7032 and 7035, 70% glanz (Article No.: 2437.000 and 2440.735)
  - Application of the substance / the preparation: Color spray to touch up painted surfaces

- Manufacturer/Supplier:
  Rittal GmbH & Co. KG
  Am Stützelberg
  D-35745 Herborn
  Tel.: +49(0)2772-505-0
  Fax.: +49(0)2772-505-2319
  e-mail: info@rittal.de
  www.rittal.de

- Further information obtainable from: Marketing Tel. +49 (0) 2772 / 505 - 9052
- Information in case of emergency: +49(0)228-19-240 (24 h Hotline, german speaking)

2 Hazards identification

- Hazard description:
  · Xi Irritant
  · F+ Extremely flammable

- Information concerning particular hazards for human and environment:
  The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
  At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
  Warning! Pressurized container.
  Has a narcotizing effect.
  R 12 Extremely flammable.
  R 36 Irritating to eyes.
  R 66 Repeated exposure may cause skin dryness or cracking.
  R 67 Vapours may cause drowsiness and dizziness.
  Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
  Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.
  Buildup of explosive mixtures possible without sufficient ventilation.
  Keep out of the reach of children

- Classification system:
  The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- Chemical characterization
  - Description: Mixture of substances listed below with nonhazardous additions.
  - Dangerous components:

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1</td>
<td>200-662-2</td>
<td>25-50%</td>
</tr>
<tr>
<td>acetone</td>
<td>Xi, F; R 11-36-66-67</td>
<td>25-50%</td>
</tr>
<tr>
<td>106-97-8</td>
<td>203-448-7</td>
<td>10-25%</td>
</tr>
<tr>
<td>butane</td>
<td>F+; R 12</td>
<td>10-25%</td>
</tr>
</tbody>
</table>

(Contd. on page 2)
Trade name: Acryl-Lackspray 7032 and 7035, 70% glanz

| CAS: 74-98-6 | propane | 10-25% |
| CAS: 123-86-4 | n-butyl acetate | 10-25% |
| CAS: 108-65-6 | 2-methoxy-1-methylethyl acetate | ≤ 2.5% |
| CAS: 64742-95-6 | Solvent naphtha (petroleum), light arom. | ≤ 2.5% |

- Additional information: For the wording of the listed risk phrases refer to section 16.

### 4 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.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:**
  - Wear self-contained respiratory protective device.
  - Do not inhale explosion gases or combustion gases.

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/surface or ground water.
- **Measures for cleaning/collecting:**
  - Ensure adequate ventilation.
  - Do not flush with water or aqueous cleansing agents

### 7 Handling and storage

- **Handling:**
  - **Information 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.
    - 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.
- **Storage:**
  - **Requirements to be met by storerooms and receptacles:**
    - Store in a cool location.
    - Observe official regulations on storing packagings with pressurized containers.
Trade name: Acryl-Lackspray 7032 and 7035, 70% glanz

- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions:
  Keep container tightly sealed.
  Do not seal receptacle gas tight.
  Store in cool, dry conditions in well sealed receptacles.
  Protect from heat and direct sunlight.

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Ingredients with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Substance</th>
<th>WEL Short-term value</th>
<th>WEL 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</td>
<td>1810 mg/m³, 750 ppm</td>
<td>1450 mg/m³, 600 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>108-65-6 2-methoxy-1-methylethyl acetate</td>
<td>548 mg/m³, 100 ppm</td>
<td>274 mg/m³, 50 ppm</td>
</tr>
</tbody>
</table>

- Additional information: The lists valid during the making were used as basis.
- 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:
    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.
    Use suitable respiratory protective device in case of insufficient ventilation.
  - Protection of hands:
    The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
    Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - Material of gloves
    The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  - Penetration time of glove material
    The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
**Safety Data Sheet**

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

**Printing date 23.04.2008**

**Revision: 02.02.2009**

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**Trade name: Acryl-Lackspray 7032 and 7035, 70% glanz**

- **Eye protection:**
  - Tightly sealed goggles

---

### 9 Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form:</strong></td>
<td>Aerosol</td>
</tr>
<tr>
<td><strong>Colour:</strong></td>
<td>According to product specification</td>
</tr>
<tr>
<td><strong>Odour:</strong></td>
<td>Characteristic</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
<td></td>
</tr>
<tr>
<td>Melting point/Melting range</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Boiling point/Boiling range</td>
<td>-44°C</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
<td>&lt; 0°C (DIN 53213)</td>
</tr>
<tr>
<td><strong>Ignition temperature:</strong></td>
<td>365°C (DIN 51794)</td>
</tr>
<tr>
<td><strong>Self-igniting:</strong></td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td><strong>Danger of explosion:</strong></td>
<td>Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</td>
</tr>
<tr>
<td><strong>Explosion limits:</strong></td>
<td></td>
</tr>
<tr>
<td>Lower</td>
<td>1.2 Vol %</td>
</tr>
<tr>
<td>Upper</td>
<td>13.0 Vol %</td>
</tr>
<tr>
<td><strong>Vapour pressure at 20°C:</strong></td>
<td>8300 hPa</td>
</tr>
<tr>
<td><strong>Density at 20°C:</strong></td>
<td>0.711 g/cm³ (DIN 53217)</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with water:</strong></td>
<td>Not miscible or difficult to mix.</td>
</tr>
<tr>
<td><strong>Solvent separation test:</strong></td>
<td>&lt; 3 %</td>
</tr>
<tr>
<td><strong>Solvent content:</strong></td>
<td></td>
</tr>
<tr>
<td>Organic solvents:</td>
<td>86.6 %</td>
</tr>
<tr>
<td>VOC (EC)</td>
<td>615.1 g/l</td>
</tr>
<tr>
<td><strong>Solids content (weight-%):</strong></td>
<td>13.4 %</td>
</tr>
</tbody>
</table>

---

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous decomposition products:** Carbon monoxide

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### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
  - on the skin: No irritant effect.
  - on the eye: Irritating effect.
- **Sensitization:** No sensitizing effects known.
Trade name: Acryl-Lackspray 7032 and 7035, 70% glanz

12 Ecological information

- General notes:
  Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
  Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- Product:
  - Recommendation
    Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- European waste catalogue

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 01 11</td>
<td>waste paint and varnish containing organic solvents or other dangerous substances</td>
</tr>
<tr>
<td>15 01 04</td>
<td>metallic packaging</td>
</tr>
<tr>
<td>14 06 03</td>
<td>other solvents and solvent mixtures</td>
</tr>
</tbody>
</table>

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

14 Transport information

- Land transport ADR/RID (cross-border)

<table>
<thead>
<tr>
<th>ADR/RID class</th>
<th>Danger code (Kemler)</th>
<th>UN-Number</th>
<th>Packaging group</th>
<th>Hazard label</th>
<th>Description of goods</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 5F Gases.</td>
<td>-</td>
<td>1950</td>
<td>-</td>
<td>2.1</td>
<td>1950 AEROSOLS</td>
</tr>
</tbody>
</table>

- Maritime transport IMDG:

<table>
<thead>
<tr>
<th>IMDG Class</th>
<th>UN Number</th>
<th>Label</th>
<th>Packaging group</th>
<th>EMS Number</th>
<th>Marine pollutant</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>1950</td>
<td>2.1</td>
<td>-</td>
<td>F-D,S-U</td>
<td>No</td>
</tr>
</tbody>
</table>
Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 23.04.2008
Revision: 02.02.2009

Trade name: Acryl-Lackspray 7032 and 7035, 70% glanz

Proper shipping name: AEROSOLS

Air transport ICAO-TI and IATA-DGR:

- ICAO/IATA Class: 2.1
- UN/ID Number: 1950
- Label: 2.1
- Packaging group: -
- Proper shipping name: AEROSOLS, flammable

15 Regulatory information

- Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- Code letter and hazard designation of product:
Xi Irritant
F+ Extremely flammable

- Risk phrases:
12 Extremely flammable.
36 Irritating to eyes.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

- Safety phrases:
2 Keep out of the reach of children.
3 Keep in a cool place.
9 Keep container in a well-ventilated place.
23 Do not breathe fumes/aerosol.
46 If swallowed, seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.

- Special labelling of certain preparations:
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.
Buildup of explosive mixtures possible without sufficient ventilation.
Keep out of the reach of children

- National regulations:

Information about limitation of use:

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

(Contd. of page 7)
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 R-phrases
  10 Flammable.
  11 Highly flammable.
  12 Extremely flammable.
  36 Irritating to eyes.
  37 Irritating to respiratory system.
  51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  65 Harmful: may cause lung damage if swallowed.
  66 Repeated exposure may cause skin dryness or cracking.
  67 Vapours may cause drowsiness and dizziness.

- Department issuing MSDS: Rittal GmbH & Co. KG