



## Automobile Interior Color

sprayable

### 1 Identification of the substance/mixture and of the company/undertaking

|  |   |
|--|---|
| <b>Trade name</b>  | Automobil interior color in spray can   |
| <b>Article number</b>  | L52/ ... /SP  |
| <b>Relevant identified uses of the substance or mixture and uses advised against</b> | No known relevant uses  |
| <b>Sector of Use</b>   | SU3 – Industrial uses: Uses of substances as such or in preparations at industrial sites  |
| <b>Product category</b>  | PC9a – Coatings and paints, thinners, paint removers  |
| <b>Process category</b>  | PROC11 – Non industrial spraying  |
| <b>Environmental release category</b>  | ERC5 – Industrial use resulting in inclusion into or onto a matrix  |
| <b>Article category</b>  | AC30 – Other articles with intended release of substances   |
| <b>Application of the substance/the preparation</b>                                  | Repair lacquer (aerosol) in solvents  |
| <b>Details of the supplier of the safety data sheet:</b>                             |   |
| <b>Informing department</b>  | Benecke-Kaliko AG, Beneckeallee 40, 30419 Hannover<br>Phone: +49 511 6302-673, Telefax: +49 511 6302-311<br>E-Mail: interiorpaint@benecke-kaliko.de<br>Division ContiTech of Continental AG |
| <b>Emergency telephone number</b>  | plant fire department: +49 511 6302-112   |

### 2 Hazards identification

|   |  |
|---|--|
| <b>Classification of the substance or mixture</b>                               |  |
| <b>Classification according to Regulation (EC) No 1272/2008</b>                 |  GHS02 flame<br>Flam. Aerosol 1 H222 – Extremely flammable aerosol.<br><br> GHS07<br>Eye Irrit. 2 H319 – Causes serious eye irritation.  |
| <b>Classification according to Directive 67/548/EEC or Directive 1999/45/EC</b> | <ul style="list-style-type: none"> <li>◦ Xn Harmful</li> <li>◦ F+ Extremely flammable</li> </ul>   |
| <b>Hazard description</b>   | <ul style="list-style-type: none"> <li>◦ Xi Irritant</li> <li>◦ F+ Highly flammable</li> </ul>   |
| <b>Information concerning particular hazards for human and environment</b>      | <ul style="list-style-type: none"> <li>◦ The product has to be labelled due to the calculation procedure preparations of the „General Classification guideline for the EU“ in the latest valid version.</li> <li>◦ Warning! Pressurized container.</li> <li>◦ Has a narcotizing effect.</li> <li>◦ R 12 – Extremely flammable.</li> <li>◦ R 36 – Irritating to eyes.</li> <li>◦ R 66 – Repeated exposure may cause skin dryness or cracking.</li> <li>◦ R 67 – Vapours may cause drowsiness and dizziness.</li> <li>◦ Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50° C. Do not pierce or burn, even after use.</li> <li>◦ 96 percent by mass of the contents are flammable.</li> <li>◦ Keep out of the reach of children.</li> </ul> |










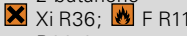

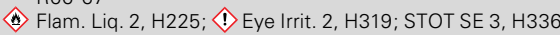





# Automobile Interior Color

sprayable

## 2 Hazards identification (continuation)

|  |   |
|--|---|
| <b>Classification system</b>                               | The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.  |
| <b>Label elements</b>                                      |   |
| <b>Labelling according to Regulation (EC) No 1272/2008</b> | The product is classified and labelled according to the CLP regulation.   |
| <b>Hazard pictograms</b>                                   | GHS02, GHS07  |
| <b>Signal word</b>   | Danger  |
| <b>Hazard statements</b>                                   | <ul style="list-style-type: none"> <li>• H222 – Extremely flammable aerosol.</li> <li>• H319 – Causes serious eye irritation.</li> <li>• Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.</li> <li>• 96.0 % by mass of the contents are flammable</li> </ul>   |
| <b>Precautionary statements</b>                            | <ul style="list-style-type: none"> <li>• P210 – Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</li> <li>• P251 – Pressurized container: Do not pierce or burn, even after use.</li> <li>• P211 – Do not spray on an open flame or other ignition source.</li> <li>• P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>• P405 – Store locked up.</li> <li>• P410+P412 – Protect from sunlight. Do not expose to temperatures exceeding 50° C/122° F.</li> </ul> |
| <b>Other hazards</b>                                       | No further information available  |
| <b>Results of PBT and vPvB assessment:</b>                 |   |
| <b>PBT</b>   | Not applicable.   |
| <b>vPvB</b>  | Not applicable.   |

## 3 Composition/information on ingredients

|  |   |          |
|--|---|----------|
| <b>Chemical characterization</b>                 | Mixtures  |          |
| <b>Description</b>                               | Mixture of the substances listed below with harmless additions:   |          |
| <b>Dangerous components:</b>                     |   |          |
| <b>CAS: 74-98-6</b><br><b>EINECS: 200-827-9</b>  |  propane liquefied<br> F+ R12<br> Flam. Gas 1, H220;  Press. Gas, H280  | 10 – 25% |
| <b>CAS: 106-97-8</b><br><b>EINECS: 203-448-7</b> |  butane, pure<br> F+ R12<br> Flam. Gas 1, H220;  Press. Gas, H280   | 10 – 25% |
| <b>CAS: 78-93-3</b><br><b>EINECS: 201-159-0</b>  |  2-butanone<br> Xi R36;  F R11<br>R66-67<br> Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336 | 10 – 25% |
| <b>CAS: 108-94-1</b><br><b>EINECS: 203-631-1</b> |  Cyclohexanon<br> Xn R20<br>R10<br> Flam. Liq. 3, H226;  Acute Tox. 4, H332  | 10 – 25% |

# Automobile Interior Color

sprayable

## 3 Composition/information on ingredients (continuation)

| Dangerous components (continuation):             |   |           |
|--|---|-----------|
| <b>CAS:</b> 123-86-4<br><b>EINECS:</b> 204-658-1 | n-butyl acetate<br>R10-66-67<br>⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336                                       | 2,5 – 10% |
| <b>CAS:</b> 109-99-9<br><b>EINECS:</b> 203-726-8 | tetrahydrofuran<br>☒ Xi R36/37; ☒ F R11<br>R19<br>⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H335 | 2,5 – 10% |
| <b>CAS NO. Designation</b>                       | See entry under dangerous substances  |           |
| <b>Index / R-phrases (GefStoffV)</b>             | Formulation of components named above.  |           |
| <b>Additional information</b>                    | For the wording of the listed risk phrases refer to section 16.   |           |

## 4 First aid measures

| Description of first aid measures:  |   |
|---|---|
| <b>General information</b>  | Take affected persons out of danger area and instruct to lie down.                                |
| <b>After inhalation</b>   | Supply fresh air; consult doctor in case of symptoms.   |
| <b>After skin contact</b>   | Instantly wash with water and soap and rinse thoroughly.  |
| <b>After eye contact</b>  | Rinse opened eye for several minutes under running water.<br>If symptoms persist, consult doctor. |
| <b>After swallowing</b>   | In case of persistent symptoms consult doctor.  |
| <b>Information for doctor:</b>  |   |
| <b>Most important symptoms and effects, both acute and delayed</b>                | No further relevant information available.  |
| <b>Indication of any immediate medical attention and special treatment needed</b> | No further relevant information available.  |

## 5 Firefighting measures

|  |  |
|--|--|
| <b>Extinguishing media:</b>                                  |  |
| <b>Suitable extinguishing agents</b>                         | CO <sub>2</sub> , extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.    |
| <b>For safety reasons unsuitable extinguishing agents</b>    | Water with a full water jet.   |
| <b>Special hazards arising from the substance or mixture</b> | Can be released in case of fire:<br>Carbon monoxide (CO), Nitrogen oxides (NO <sub>x</sub> ), Hydrogen cyanide (HCN) |
| <b>Advice for firefighters:</b>                              |  |
| <b>Protective equipment:</b>                                 | Wear self-contained breathing apparatus.   |
| <b>Additional information</b>                                | Collect contaminated fire fighting water separately. It must not enter drains.                                       |

# Automobile Interior Color

sprayable

## 6 Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Wear protective equipment. Keep unprotected persons away.  |
| <b>Environmental precautions</b>   | <ul style="list-style-type: none"> <li>Do not allow to enter drainage system, surface or ground water.</li> </ul>  |
| <b>Methods and material for containment and cleaning up</b>                | <ul style="list-style-type: none"> <li>Ensure adequate ventilation.</li> <li>Do not flush with water or aqueous cleansing agents</li> </ul>  |
| <b>Reference to other sections</b>   | <ul style="list-style-type: none"> <li>See Section 7 for information on safe handling</li> <li>See Section 8 for information on personal protection equipment.</li> <li>See Section 13 for information on disposal.</li> </ul> |

## 7 Handling and storage

|  |   |
|--|---|
| <b>Handling:</b>   |   |
| <b>Precautions for safe handling</b>                                 | <ul style="list-style-type: none"> <li>Keep away from heat and direct sunlight.</li> <li>By using bend the spray box about max. 40° otherwise liquid can discharge and lead to frostbite.</li> <li>Ensure good ventilation/exhaustion at the workplace.</li> </ul>  |
| <b>Information about protection against explosions and fires</b>     | <ul style="list-style-type: none"> <li>Do not spray on flames or red-hot objects.</li> <li>Keep ignition sources away - Do not smoke.</li> <li>Protect against electrostatic charges.</li> <li>Keep fire extinguisher at hand</li> <li>Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50° C. Do not open by force or throw into fire even after use.</li> </ul> |
| <b>Storage:</b>  |   |
| <b>Conditions for safe storage, including any incompatibilities:</b> |   |
| <b>Requirements to be met by storerooms and containers</b>           | <ul style="list-style-type: none"> <li>Store in cool location.</li> <li>Observe official regulations on storing packagings with pressurized containers.</li> </ul>  |
| <b>Information about storage in one common storage facility</b>      | Not required.   |
| <b>Further information about storage conditions</b>                  | <ul style="list-style-type: none"> <li>Keep container tightly sealed.</li> <li>Do not seal container gastight.</li> <li>Store in cool, dry conditions in well sealed containers.</li> <li>Protect from heat and direct sunlight.</li> <li>Storage temperatures between 15° C and 30° C.</li> <li>Storage time &lt; 1 year.</li> </ul>   |
| <b>Storage class</b>   | <ul style="list-style-type: none"> <li>The Technical Rules of pressure gas (TRG) 300 and the TRdF 020 have to comply explicitly.</li> <li>VCI-class of storage 2B - spray box</li> </ul>  |
| <b>Classification according to Industrial Safety Ordinance</b>       | Highly flammable  |
| <b>Specific end use(s)</b>   | No further relevant information available.  |

## 8 Exposure controls/personal protection

|   |                              |
|---|------------------------------|
| <b>Additional information about design of technical systems</b> | No further data; see item 7. |
|---|------------------------------|

# Automobile Interior Color

sprayable

## 8 Exposure controls/personal protection (continuation)

| Control parameters: Components with limit values that require monitoring at the workplace: |   |
|--|---|
| <b>74-98-6 propane</b>   | AGW 1800 mg/m <sup>3</sup> , 1000 ml/m <sup>3</sup><br>4(II); DFG 10 – 25%  |
| <b>106-97-8 butane, pure</b>   | AGW Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm<br>Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm<br>Carc (if more than 0.1% of buta-1.3-diene) 10 – 25%  |
| <b>78-93-3 2-butanone</b>  | WEL Short-term value: 899 mg/m <sup>3</sup> , 300 ppm<br>Long-term value: 600 mg/m <sup>3</sup> , 200 ppm<br>Sk 10 – 25%  |
| <b>108-94-1 cyclohexanone</b>  | WEL Short-term value: 20 ppm<br>Long-term value: 10 ppm<br>Sk 10 – 25%  |
| <b>123-86-4 n-butyl acetate</b>  | WEL Short-term value: 966 mg/m <sup>3</sup> , 200 ppm<br>Long-term value: 724 mg/m <sup>3</sup> , 150 ppm 2,5 – 10%   |
| <b>109-99-9 tetrahydrofuran</b>  | WEL Short-term value: 300 mg/m <sup>3</sup> , 100 ppm<br>Long-term value: 150 mg/m <sup>3</sup> , 50 ppm<br>Sk 2,5 – 10%  |
| <b>Additional information</b>  | The lists that were valid during the compilation were used as basis.  |
| <b>Exposure controls/Personal protective equipment:</b>                                    |   |
| <b>General protective and hygienic measures</b>  | <ul style="list-style-type: none"> <li>• Keep away from foodstuffs, beverages and food.</li> <li>• Take off immediately all contaminated clothing</li> <li>• Wash hands during breaks and at the end of the work.</li> <li>• Avoid contact with the eyes and skin.</li> </ul> |
| <b>Breathing equipment</b>   | <ul style="list-style-type: none"> <li>• In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.</li> <li>• Combination filter ABEK</li> </ul>     |
| <b>Protection of hands</b>   | Protective gloves.  |
| <b>Material of gloves</b>  | neoprene, nitrile butadiene india rubber, butyl india rubber, polyvinylchloride, polyethylene laminated   |
| <b>Penetration time of glove material</b>  | The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.  |
| <b>Eye protection</b>  | Tightly sealed safety glasses.  |
| <b>Body protection</b>   | working protective clothing.  |

## 9 Physical and chemical properties

| Information on basic physical and chemical properties                               |   |
|---|---|
| <b>Appearance:</b><br>Form<br>Colour<br>Odour                                       | Aerosol<br>According to product specification<br>Characteristic |
| <b>Change in condition:</b><br>Melting point/Melting range<br>Boiling point/Boiling | Not determined<br>34° C   |
| <b>Flash point:</b>   | < 0° C  |

## Automobile Interior Color

sprayable

### 9 Physical and chemical properties (continuation)

|   |   |
|---|---|
| <b>Ignition temperature</b>                   | 365° C  |
| <b>Self-inflammability</b>                    | Product is not selfigniting.  |
| <b>Danger of explosion</b>                    | Product is not explosive. However, formation of explosive air/steam mixtures is possible. |
| <b>Critical values for explosion</b>          | Lower: 1.3 Vol %<br>Upper: 11.5 Vol %   |
| <b>Vapour pressure at 20° C</b>               | 8300 hPa  |
| <b>Density</b>                                | Not determined  |
| <b>Surface weight</b>                         | Not determined  |
| <b>Solubility in / Miscibility with Water</b> | Not miscible or difficult to mix  |
| <b>Solvent content: Organic solvents:</b>     | > 90 %  |
| <b>Solids content</b>                         | < 10 %  |
| <b>Other information</b>                      | Declarations are with reference to raw materials with lowest physical qualities.          |

### 10 Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                                     | Stable under normal usage conditions   |
| <b>Chemical stability</b>                             | Stable under normal usage conditions   |
| <b>Thermal decomposition/conditions to be avoided</b> | At temperatures > 50° C explosion hazard   |
| <b>Possibility of hazardous reactions</b>             | Develops readily flammable gases/fumes   |
| <b>Conditions to avoid</b>                            | No further relevant information available.   |
| <b>Incompatible materials</b>                         | No further relevant information available.   |
| <b>Hazardous decomposition products</b>               | Smoke, carbon dioxide and hazardous gases like carbon monoxide emerge from incompletely combustion and/or pyrolysis. |

### 11 Toxicological information

|  |  |
|--|--|
| <b>Information on toxicological effects:</b> |  |
| <b>Primary irritant effect on the skin:</b>  | No irritant effect.  |
| <b>Primary irritant effect on the eye:</b>   | Irritant effect.   |
| <b>Sensitization</b>                         | No sensitizing effect known.   |
| <b>Additional toxicological information</b>  | The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version: Irritant |

### 12 Ecological information

|                         |  |
|-------------------------|--|
| <b>Toxicity:</b>        |  |
| <b>Aquatic toxicity</b> | No further relevant information available. |

## Automobile Interior Color

sprayable



### 12 Ecological information (continuation)

|  |   |
|--|---|
| <b>Persistence and degradability</b>       | No further relevant information available.  |
| <b>Behaviour in environmental systems:</b> |   |
| <b>Bioaccumulative potential</b>           | No further relevant information available.  |
| <b>Mobility in soil</b>                    | No further relevant information available.  |
| <b>Additional ecological information:</b>  |   |
| <b>General notes</b>                       | <ul style="list-style-type: none"> <li>Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.</li> <li>Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.</li> </ul> |
| <b>Results of PBT and vPvB assessment</b>  |   |
| <b>PBT</b>                                 | Not applicable.   |
| <b>vPvB</b>                                | Not applicable.   |
| <b>Other adverse effects</b>               | No further relevant information available.  |

### 13 Disposal considerations

|                                  |   |
|----------------------------------|---|
| <b>Waste treatment methods:</b>  |   |
| <b>Recommendation</b>            | <ul style="list-style-type: none"> <li>Must not be disposed of together with household garbage. Do not allow product to reach sewage system.</li> </ul> |
| <b>Waste disposal key number</b> | 16 05 04 – Gases in pressure reservoirs   |
| <b>Uncleaned packagings</b>      | 15 01 04: metal   |
| <b>Recommendation</b>            | <ul style="list-style-type: none"> <li>Disposal must be made according to official regulations.</li> </ul>  |

### 14 Transport information

|   |  |
|---|--|
| <b>UN-Number:</b><br>ADR, IMDG, IATA  | 1950   |
| <b>UN proper shipping name:</b><br>ADR<br>IMDG<br>IATA  | 1950 AEROSOLS<br>AEROSOLS<br>AEROSOLS, flammable |
| <b>Transport hazard class(es):</b>  |  |
|  <b>ADR</b><br>Class<br>Label        | 2 5F Gase<br>2.1                                 |
|  <b>IMDG, IATA</b><br>Class<br>Label | 2.1<br>2.1                                       |
| <b>Packing group:</b><br>ADR, IMDG, IATA  | Void   |
| <b>Environmental hazards:</b><br>Marine pollutant   | No   |

# Automobile Interior Color

sprayable

## 14 Transport information (continuation)

|   |                       |
|---|-----------------------|
| <b>Special precautions for user</b>   | Warning: Gases        |
| <b>Kemler Number</b>  | –                     |
| <b>EMS Number</b>   | F-D,S-U               |
| <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>                                  | Not applicable.       |
| <b>Transport/Additional information: ADR Limited quantities (LQ) Transport category Tunnel restriction code</b> | LQ2<br>2<br>D         |
| <b>UN „Model Regulation“</b>  | UN1950, AEROSOLS, 2.1 |

## 15 Regulatory information

|  |  |
|--|--|
| <b>Safety, health and environmental regulations/legislation specific for the substance or mixture:</b> |  |
| <b>National regulations</b>  | The Ordinance on Hazardous Materials (GefStoffV) apply on current version. |
| <b>Water hazard class</b>  | Water hazard class 1 (Self-assessment): slightly hazardous for water.      |
| <b>Other regulations, limitations and prohibitive regulations</b>                                      | Attention should be paid to VBG 91 „Handling of hazardous substances“      |
| <b>Chemical safety assessment</b>  | A Chemical Safety Assessment has not been carried out.                     |

## 16 Other information

|  |  |
|--|--|
| <b>These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.</b> |  |
| <b>Relevant phrases</b>  | <ul style="list-style-type: none"> <li>◦ H220 Extremely flammable gas.</li> <li>◦ H225 Highly flammable liquid and vapour.</li> <li>◦ H226 Flammable liquid and vapour.</li> <li>◦ H280 Contains gas under pressure; may explode if heated.</li> <li>◦ H319 Causes serious eye irritation.</li> <li>◦ H332 Harmful if inhaled.</li> <li>◦ H335 May cause respiratory irritation.</li> <li>◦ H336 May cause drowsiness or dizziness.</li> <br/> <li>◦ R10 Flammable.</li> <li>◦ R11 Highly flammable.</li> <li>◦ R12 Extremely flammable.</li> <li>◦ R19 May form explosive peroxides.</li> <li>◦ R20 Harmful by inhalation.</li> <li>◦ R36 Irritating to eyes.</li> <li>◦ R36/37 Irritating to eyes and respiratory system.</li> <li>◦ R66 Repeated exposure may cause skin dryness or cracking.</li> <li>◦ R67 Vapours may cause drowsiness and dizziness.</li> </ul> |
| <b>Department issuing data specification sheet</b>   | Department of environment and working security<br>Hanover plant<br>Phone: +49 (0)511 6302 637, Telefax: +49 (0)511 6302 311  |
| <b>Abbreviations and acronyms</b>  | <ul style="list-style-type: none"> <li>◦ RID<br/>Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)</li> </ul>   |



## Automobile Interior Color

sprayable

### 16 Other information (continuation)

#### Abbreviations and acronyms (continuation)

- IATA-DGR  
Dangerous Goods Regulations by the „International Air Transport Association“ (IATA)
- ICAO  
International Civil Aviation Organization
- ICAO-TI  
Technical Instructions by the „International Civil Aviation Organization“ (ICAO)
- 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 Harmonized System of Classification and Labelling of Chemicals
- CAS  
Chemical Abstracts Service (division of the American Chemical Society)