

InteriorPaint

COLOR YOUR BUSINESS



Automobile Interior Color

sprayable

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

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

2 Hazards identification

Classification of the substance or mixture	
Classification according to Regulation (EC) No 1272/2008	 GHS02 flame Flam. Aerosol 1 H222 – Extremely flammable aerosol.  GHS07 Eye Irrit. 2 H319 – Causes serious eye irritation.
Classification according to Directive 67/548/EEC or Directive 1999/45/EC	<ul style="list-style-type: none"> ◦ Xn Harmful ◦ F+ Extremely flammable
Hazard description	<ul style="list-style-type: none"> ◦ Xi Irritant ◦ F+ Highly flammable
Information concerning particular hazards for human and environment	<ul style="list-style-type: none"> ◦ 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. ◦ 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. ◦ 96 percent by mass of the contents are flammable. ◦ Keep out of the reach of children.














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2 Hazards identification (continuation)

Classification system	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.
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 statements	<ul style="list-style-type: none"> • H222 – Extremely flammable aerosol. • H319 – Causes serious eye irritation. • Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. • 96.0 % by mass of the contents are flammable
Precautionary statements	<ul style="list-style-type: none"> • P210 – Keep away from heat/sparks/open flames/hot surfaces. - No smoking. • P251 – Pressurized container: Do not pierce or burn, even after use. • P211 – Do not spray on an open flame or other ignition source. • P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. • P405 – Store locked up. • P410+P412 – Protect from sunlight. Do not expose to temperatures exceeding 50° C/122° F.
Other hazards	No further information available
Results of PBT and vPvB assessment:	
PBT	Not applicable.
vPvB	Not applicable.







3 Composition/information on ingredients

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

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3 Composition/information on ingredients (continuation)

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

4 First aid measures

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

5 Firefighting measures

Extinguishing media:	
Suitable extinguishing agents	CO ₂ , extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
For safety reasons unsuitable extinguishing agents	Water with a full water jet.
Special hazards arising from the substance or mixture	Can be released in case of fire: Carbon monoxide (CO), Nitrogen oxides (NOx), Hydrogen cyanide (HCN)
Advice for firefighters:	
Protective equipment:	Wear self-contained breathing apparatus.
Additional information	Collect contaminated fire fighting water separately. It must not enter drains.

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6 Accidental release measures

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

7 Handling and storage

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

8 Exposure controls/personal protection

Additional information about design of technical systems	No further data; see item 7.
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8 Exposure controls/personal protection (continuation)

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

9 Physical and chemical properties

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

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9 Physical and chemical properties (continuation)

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

10 Stability and reactivity

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

11 Toxicological information

Information on toxicological effects:	
Primary irritant effect on the skin:	No irritant effect.
Primary irritant effect on the eye:	Irritant effect.
Sensitization	No sensitizing effect known.
Additional toxicological information	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

Toxicity:	
Aquatic toxicity	No further relevant information available.

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12 Ecological information (continuation)

Persistence and degradability	No further relevant information available.
Behaviour in environmental systems:	
Bioaccumulative potential	No further relevant information available.
Mobility in soil	No further relevant information available.
Additional ecological information:	
General notes	<ul style="list-style-type: none"> 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 bodies or sewage system.
Results of PBT and vPvB assessment	
PBT	Not applicable.
vPvB	Not applicable.
Other adverse effects	No further relevant information available.

13 Disposal considerations

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

14 Transport information

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

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14 Transport information (continuation)

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

15 Regulatory information

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

16 Other information

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.	
Relevant phrases	<ul style="list-style-type: none"> ◦ 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. ◦ H332 Harmful if inhaled. ◦ H335 May cause respiratory irritation. ◦ H336 May cause drowsiness or dizziness. ◦ R10 Flammable. ◦ R11 Highly flammable. ◦ R12 Extremely flammable. ◦ R19 May form explosive peroxides. ◦ R20 Harmful by inhalation. ◦ R36 Irritating to eyes. ◦ R36/37 Irritating to eyes and respiratory system. ◦ R66 Repeated exposure may cause skin dryness or cracking. ◦ R67 Vapours may cause drowsiness and dizziness.
Department issuing data specification sheet	Department of environment and working security Hanover plant Phone: +49 (0)511 6302 637, Telefax: +49 (0)511 6302 311
Abbreviations and acronyms	<ul style="list-style-type: none"> ◦ RID Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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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)