



Automobile Interior Color

sprayable/spreadable

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

Trade name	Sprayable and spreadable automobil interieur color
Article number	L52/ ...
Relevant identified uses of the substance or mixture and uses advised against	No relevant data available.
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	PROC10 – Roller application or brushing
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	Sprayable, spreadable paint
Details of the supplier of the safety data sheet	
Manufacturer/Supplier	Benecke-Kaliko AG, Beneckeallee 40, 30419 Hannover Phone: +49 511 6302-0, Telefax: +49 511 6302-206 E-Mail: interiorpaint@benecke-kaliko.de Division ContiTech of Continental AG
Informing department	During the normal working hours: see No. 16!
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. Liq. 2 H225 – Highly flammable liquid and vapour.  GHS07 Eye Irrit. 2 H319 – Causes serious eye irritation. STOT SE 3 H336 – May cause drowsiness or dizziness.
Classification according to Directive 67/548/EEC or Directive 1999/45/EC	<ul style="list-style-type: none"> • Xn Harmful • F Highly flammable
Information concerning particular hazards for human and environment	<ul style="list-style-type: none"> • R 11 Highly flammable • R 20 Harmful by inhalation • R 36/37 Irritating to eyes and respiratory system
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.












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2 Hazards identification (continuation)

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"> ◦ H225 – Highly flammable liquid and vapour. ◦ H319 – Causes serious eye irritation. ◦ H336 – May cause drowsiness or dizziness.
Precautionary statements	<ul style="list-style-type: none"> ◦ P210 – Keep away from heat/sparks/open flames/hot surfaces. No smoking. ◦ P241 – Use explosion-proof electrical/ventilating/lighting/equipment. ◦ P303+P361+P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. ◦ 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. ◦ P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.
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: 108-94-1 EINECS: 203-631-1	cyclohexanone  Xn R20 R10  Flam. Liq. 3, H226;  Acute Tox. 4, H332	ca. 15%
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	ca. 40%
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	ca. 20%
CAS NO. Designation	See entries under dangerous substances.	
KIndex/R-phrases (GefStoffV)	Formulation of components named above.	

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4 First aid measures

Description of first aid measures	
General information	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
After inhalation	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness bring patient into stable side position for transport.
After skin contact	The product is not skin irritating.
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	Under certain fire conditions, traces of other toxic gases cannot be excluded. Nitrogen oxides (NOx), Carbon monoxide (CO)
Advice for firefighters	
Protective equipment	Wear self-contained breathing apparatus.
Additional information	Collect contaminated fire fighting water separately. It must not enter drains.

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"> Prevent material from reaching sewage system, holes and cellars. 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"> Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.
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.

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7 Handling and storage

Handling	
Precautions for safe handling	<ul style="list-style-type: none"> • Ensure good ventilation/exhaustion at the workplace.
Information about protection against explosions and fires	<ul style="list-style-type: none"> • Keep ignition sources away - Do not smoke. • Protect against electrostatic charges. • Keep fire extinguisher at hand • Wear shoes with insulated soles.
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.
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. • Store in cool, dry conditions in well sealed containers.
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.
Control parameters: Components with limit values that require monitoring at the workplace	
78-93-3 2-butanone	OEL Short-term value: 885 mg/m ³ , 300 ml/m ³ Long-term value: 590 mg/m ³ , 200 ml/m ³
108-94-1 cyclohexanone	OEL Short-term value: 400 mg/m ³ , 100 ml/m ³ Long-term value: 100 mg/m ³ , 25 ml/m ³
Additional information	The lists that were valid during the compilation were used as basis.
Exposure controls/Personal protective equipment	
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.
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.

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9 Physical and chemical properties

General Information: Information on basic physical and chemical properties	
Appearance: Form Colour Odour	Fluid According to product specification Characteristic
Change in condition: Melting point/Melting range: Boiling point/Boiling range:	Not determined 79° C
Flash point	< 21° C
Ignition temperature	420° 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	105.0 hPa
Density	Not determined.
Surface weight	Not determined.
Solubility in/Miscibility with water	Not miscible or difficult to mix
Solvent content: Organic solvents	70 – 80 %
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:	No decomposition if used according to specifications.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	No further relevant information available.
Incompatible materials	No further relevant information available.
Hazardous decomposition products	No dangerous decomposition products at normal handling. In the case of burning are in the fume carbonmonoxid, hydrogen cyanide, nitrogen dioxide and crack-products of the primary products.

11 Toxicological information

Information on toxicological effects:				
LD/LC50 values that are relevant for classification:	108-94-1 cyclohexanone	Oral Dermal Inhalative	LD50 LD50 LC50/4 h	1900 mg/kg (rat) 948 mg/kg (rbt) 8000 mg/l (rat)

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11 Toxicological information (continuation)

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: Harmful, Irritant

12 Ecological information

Toxicity:	
Aquatic toxicity	No further relevant information available.
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	EWC 080102
Uncleaned packagings	
Recommendation	<ul style="list-style-type: none"> Disposal must be made according to official regulations.

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14 Transport information

UN-Number: ADR, IMDG, IATA	1263
UN proper shipping name: ADR, IMDG, IATA	PAINT
Transport hazard class(es):	
 ADR Class Label	3 Flammable liquids. 3
 IMDG Class	3.2
 IATA Class	3 Flammable liquids.
Packing group: IMDG, IATA	II
Environmental hazards: Marine pollutant	No
Special precautions for user	Warning: Flammable liquids.
Kemler Number	33
EMS Number	F-E, <u>S</u> -E
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information: ADR: Limited quantity (LQ) Transport category Tunnel restriction code	LQ6 2 D/E
UN „Model Regulation“:	UN1263, PAINT (vapour pressure at 50 °C not more than 110 kPa), 3, II

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	
National regulations	The current version of the Ordinance on Hazardous Substances is valid
Technical instructions (air): Class Share in %	not analysed
Water hazard class	Water hazard class 1 (Self-assessment): slightly hazardous for water.
Chemical safety assessment	A Chemical Safety Assessment has not been carried out.

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16 Other information

<p>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.</p>	
<p>Relevant phrases</p>	<ul style="list-style-type: none"> ◦ H225 Highly flammable liquid and vapour. ◦ H226 Flammable liquid and vapour. ◦ H319 Causes serious eye irritation. ◦ H332 Harmful if inhaled. ◦ H335 May cause respiratory irritation. ◦ H336 May cause drowsiness or dizziness.
	<ul style="list-style-type: none"> ◦ R10 Flammable. ◦ R11 Highly 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.
<p>Department issuing data specification sheet</p>	<p>Department of environment and working security Hanover plant Phone: +49 (0)511 6302 637, Telefax: +49 (0)511 6302 311</p>
<p>Abbreviations and acronyms</p>	<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) ◦ ICAO International Civil Aviation Organization ◦ 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) ◦ LC50: Lethal concentration, 50 percent ◦ LD50: Lethal dose, 50 percent