



CHAMÄLEON GMBH RUDOLF-DIESEL-STRASSE 8A 69115 HEIDELBERG GERMANY

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SAFETY DATA SHEET according to 1907/2006/EC, Article 31

Revision date: 21.02.2023

<u>1- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE</u> <u>COMPANY/UNDERTAKING</u>

Product details Trade name: Aerosol Structure spray black Article number: 26340 Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available. Sector of Use: SU21 Consumer uses: Private households / general public / consumers SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen) Product category: Paint remover **Process category: PROC7** Industrial spraying PROC11 Non industrial spraying Intended use: Car refinishing Product/ Spray varnish Manufacturer/Supplier: Chamäleon GmbH Rudolf-Diesel-Straße, 8a, 69115 Heidelberg -- Germany Further information obtainable from: Product Safety Department Information in case of emergency: + 49 70024112112 (CH)

2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008



flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



Eye Irrit. 2 H319 Causes serious eye irritation. STOT SE 3 H336 May cause drowsiness or dizziness.

STEUERNUMMER/TAX NR.: DE 231468544 EORI NR./CUSTOMS NR.: DE 6029442 / HRB 9778 GESCHÄFTSFÜHRER/CEO: SASCHA HAGEMANN



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Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation. **Hazard pictograms**



GHS02 GHS07

Signal word Danger

Hazard-determining components of labelling:

ethyl acetate n-butyl acetate butanone

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

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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.
- P251 Do not pierce or burn, even after use.

P260 Do not breathe spray.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents / container in accordance with regional regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

Buildup of explosive mixtures possible without sufficient ventilation.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3- COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions. **Dangerous components:**

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CAS: 141-78-6	ethyl acetate	25-<50%
EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46	Flam. Liq. 2, H225, Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	
CAS: 74-98-6	propane	12.5-<20%
EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	
CAS: 123-86-4	n-butyl acetate	5-<10%
EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	Flam. Liq. 3, H226, STOT SE 3, H336 EUH066	
CAS: 106-97-8 EINECS: 203-448-7	butane (containing < 0,1 % butadiene (203- 450-8))	5-<10%
Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	
CAS: 75-28-5 EINECS: 200-857-2	isobutane (containing < 0,1 % butadiene (203- 450-8))	5-<10%
Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	
CAS: 78-93-3	butanone	5-<10%
EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43	Flam. Liq. 2, H225, Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	
CAS: 64-17-5	ethanol	<2.5%
EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43	Flam. Liq. 2, H225, Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: $C \ge 50 \%$	

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

<u> 4– FIRST - AID MEASURE</u>

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:** Drink plenty of water and provide fresh air. Call for a doctor immediately.







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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.

<u>5– FIRE - FIGHTING MEASURE</u>

Extinguishing media Suitable extinguishing agents:Use fire extinguishing methods suitable to surrounding conditions. Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced. Advice for firefighters -Protective equipment: Mouth respiratory protective device.

<u>6- ACCIDENTAL RELEASE MEASURE</u>

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation
Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.
Environmental precautions: Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
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.

7-HANDLING AND STORAGE

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. **Information about fire - and explosion protection:** Do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke.

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Keep respiratory protective device available.
Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
Observe official regulations on storing packagings with pressurised containers.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep container tightly sealed.
Storage class: 2 B
Specific end use(s) No further relevant information available.

<u>8 – EXPOSURE CONTROLS / PERSONAL PROTECTION</u>

Control parameters

Ingredients with limit values that require monitoring at the workplace:			
141-78-6 ethy	141-78-6 ethyl acetate		
WEL		1468 mg/m ³ , 400 ppm 734 mg/m ³ , 200 ppm	
123-86-4 n-bu	ityl acetate		
WEL		966 mg/m ³ , 200 ppm 724 mg/m ³ , 150 ppm	
106-97-8 buta	ne (containing $< 0,1$	% butadiene (203-450-8))	
WEL	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)		
78-93-3 butan	78-93-3 butanone		
WEL	EL Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, BMGV		
64-17-5 ethanol			
WEL	Long-term value: 1920 mg/m ³ , 1000 ppm		
DNELs			
141-78-6 ethy	l acetate		
Oral	DNEL 4	.5 mg/kg /per day (Consumer, longterm systemic)	







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Dermal	DNEL	63 mg/kg /per day (Worker, longterm systemic)
	DNEL	37 mg/kg /per day (Consumer, longterm systemic)
Inhalative	DNEL	734 mg/m3 /200 ppm (Worker, longterm systemic)
	DNEL	1468 mg/m3 /400 ppm (Worker, acute systemic)
	DNEL	734 mg/m3 /200 ppm (Worker, longterm local)
	DNEL	1468 mg/m3 /400 ppm (Worker, acute local)
	DNEL	367 mg/m3 /100 ppm (Consumer, longterm systemic)
	DNEL	734 mg/m3 /200 ppm (Consumer; acute systemic)
	DNEL	367 mg/m3 /100 ppm (Consumer, longterm local)
	DNEL	734 mg/m3 /200 ppm (Consumer, acute local)
123-86-4 n-b	utyl acetate	
Oral	DNEL	2 mg/kg /per day (Consumer, longterm systemic)
	DNEL	2 mg/kg /per day (Consumer, acute systemic)
Dermal	DNEL	11 mg/kg /per day (Worker, longterm systemic)
	DNEL	11 mg/kg /per day (Worker, acute systemic)
	DNEL	6 mg/kg /per day (Consumer, longterm systemic)
	DNEL	6 mg/kg /per day (Consumer, acute systemic)
Inhalative	DNEL	300 mg/m3 (Worker, longterm systemic)
	DNEL	600 mg/m3 (Worker, acute systemic)
	DNEL	300 mg/m3 (Worker, longterm local)
	DNEL	600 mg/m3 (Worker, acute local)
	DNEL	35.7 mg/m3 (Consumer, longterm systemic)
	DNEL	300 mg/m3 (Consumer; acute systemic)
	DNEL	35.7 mg/m3 (Consumer, longterm local)
78-93-3 buta	none	
Oral	DNEL	31 mg/kg /per day (Consumer, longterm systemic)
Dermal	DNEL	1161 mg/kg /per day (Worker, longterm systemic)
	DNEL	412 mg/kg /per day (Consumer, longterm systemic)
Inhalative	DNEL	600 mg/m3 (Worker, longterm systemic)
	DNEL	106 mg/m3 (Consumer, longterm systemic)
64-17-5 etha	nol	
Oral	DNEL	87 mg/kg /per day (Consumer, longterm systemic)
Dermal	DNEL	343 mg/kg /per day (Worker, longterm systemic)
	DNEL	206 mg/kg /per day (Consumer, longterm systemic)
Inhalative	DNEL	950 mg/m3 (Worker, longterm systemic)
	DNEL	1900 mg/m3 (Worker, acute local)
	DNEL	114 mg/m3 (Consumer, longterm systemic)
	DNEL	950 mg/m3 (Consumer, acute local)
PNECs	1	
123-86-4 n-b	utvl acetate	
120 00 T II-0	atj1 accute	





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PNEC	0.18 mg/l (Freshwater)		
PNEC	0.018 mg/l (Seawater)		
PNEC	0.36 mg/l (Sporadic release)		
PNEC	35.6 mg/l (Sewage treatment plant)		
PNEC	0.981 mg/kg (Freshwater sediment)		
PNEC	0.0981 mg/kg (Seawater sediment)		
PNEC	0.0903 mg/kg (Soil)		
78-93-3 but	tanone		
PNEC	55.8 mg/l (Freshwater)		
PNEC	55.8 mg/l (Seawater)		
PNEC	55.8 mg/l (Sporadic release)		
PNEC	709 mg/l (Sewage treatment plant)		
PNEC	284.7 mg/kg (Freshwater sediment)		
PNEC	284.7 mg/kg (Seawater sediment)		
64-17-5 ethanol			
PNEC	0.96 mg/l (Freshwater)		
PNEC	PNEC 0.79 mg/l (Seawater)		
PNEC	PNEC 2.75 mg/l (Sporadic release)		
PNEC	PNEC 580 mg/l (Sewage treatment plant)		
PNEC	PNEC 3.6 mg/kg (Freshwater sediment)		
PNEC	PNEC 2.9 mg/kg (Seawater sediment)		
PNEC	PNEC PNEC 0.63 mg/kg (Soil)		
Ingredient	s with biological limit values:		
78-93-3 butanone			
BMGV	70 μmol/L		
	Medium: urine		
	Sampling time: post shift		
	Parameter: butan-2-one		

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

Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as 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 and skin.

Avoid contact with the eyes.

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.







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Filter A2/P3 Protection of hands: Protective gloves Material of gloves Butyl rubber, BR 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. Penetration time of glove material: Butyl rubber gloves with a thickness of 0.4 mm are resistant to: Acetone: 480 min Butyl acetate: 60 min Ethyl acetate: 170 min Xylene: 42 min Butyl rubber gloves with a thickness of 0.4 mm are solvent resistant for 42- 480 minutes. As protective measure, we recommend that users and responsible persons for work safety assume solvent resistance length of 42 minutes. Considering the data in section 3 of this SDS, one can assume longer resistance length in particular cases. Eye protection: Tightly sealed goggles

Information on basic physical and chemical properties **General Information Appearance:** Form: Aerosol **Colour:** Black Solvent-like **Odour:** Not determined. **Odour threshold:** Melting point/freezing point: Undetermined. Boiling point or initial boiling point and boiling range Not applicable, as aerosol. *Not applicable.* **Flammability:** Lower and upper explosion limit 1.7 Vol % (74-98-6 propane) · Lower: · Upper: 11.5 Vol % (141-78-6 ethyl acetate) **Flash point:** Not applicable, as aerosol. 365 °C (689 °F) (106-97-8 butane (containing < 0.1 %**Auto-ignition temperature:** butadiene (203-450-8))) **Decomposition temperature:** Not determined.

<u>9 – PHYSICAL AND CHEMICAL PROPERTIES</u>

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рН	Mixture is non-soluble (in water).
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log	
Vapour pressure at 20 °C (68 °F):	3500 hPa (2625.2 mm Hg)
Density and/or relative density	
Density at 20 °C (68 °F):	0.8 g/cm ³ (6.7 lbs/gal)
Relative density	Not determined.
Vapour density	Not determined.
Other information	
Appearance:	
Form:	Aerosol
Important information on protection of	
environment, and on safety.	
Explosive properties:	Not determined.
Solvent content:	not weter milled.
Organic solvents:	80.2 %
VOC (EC)	
	635.2 g/l
VOC-EU%	80.20 %
Solids content:	19.8 %
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical haz	
Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurised container:
	May burst if heated.
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit fla	ammable
gases in contact with water	Void



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Oxidising liquids	Void	
Oxidising solids	Void	
Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

<u>10– STABILITY AND REACTIVITY</u>

Reactivity No further relevant information available.

Chemical stability

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 known.

<u>11– TOXILOGICAL INFORMATION</u>

Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:			
141-78-6 ethyl acetate			
Oral Dermal Inhalative	LD50 LD50 LC50 / 4h	>18000 mg/kg (rab) 5620 mg/kg (rat) 1600 mg/m3 (rat)	
123-86-4 n-butyl acet	123-86-4 n-butyl acetate		
Oral Dermal Inhalative	LD50 LD50 LC50 / 4h	10800 mg/kg (rat) (OECD 401) >17600 mg/kg (rabbit) >21 mg/m3 (rat)	
78-93-3 butanone			
Oral Dermal Inhalative	LD50 LD50 LC50 / 4h	>2193 mg/kg (rat) >5000 mg/kg (rabbit) 34 mg/m3 (rat)	
64-17-5 ethanol	64-17-5 ethanol		

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List II

Oral	LD50	10470 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50 / 4h	120 mg/l (rat)

Skin corrosion/irritation No irritant effect.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation No sensitising effects known.

STOT-single exposure May cause drowsiness or dizziness.

Information on other hazards

Endocrine disrupting properties

78-93-3 butanone

<u> 12 – ECOLOGICAL INFORMATION</u>

Toxicity

Aquatic toxicity:		
78-93-3 butanone		
LC50 / 48 h308 mg/l (daphnia magna)LC50 / 72 h1972 mg/l (Pseudokirchneriella Subcapitata)LC50 / 96 h2990 mg/l (fish)		
64-17-5 ethanol		
LC50/96h EC50 / 48 h LC50 / 48 h	13000 mg/l (oncorhynchus mykiss) 12900 mg/l (algae) 12340 mg/l (daphnia magna)	

Persistence and degradability No further relevant information available.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Endocrine disrupting properties For information on endocrine disrupting properties see section 11. **Other adverse effects**

Additional 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.

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- <u>13– DISPOSAL CONSIDERATION</u>

Waste treatment methods Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system. Uncleaned packaging: Recommendation: Disposal must be made according to official regulations. Disposal must be made according to official regulations.

<u>14– TRANSPORT INFORMATION</u>

UN number or ID number ADR, IMDG, IATA

UN1950

UN proper shipping name ADR IMDG IATA

1950 AEROSOLS AEROSOLS AEROSOLS, flammable

Transport hazard class(es) ADR



Class Label 2 5F Gases.
 2.1

IMDG, IATA



Label

Packing group

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2.1 Gases.2.1







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ADR, IMDG, IATA not regulated **Environmental hazards:** Not applicable. Special precautions for user Warning: Gases. Hazard identification number (Kemler code): -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. Maritime transport in bulk according to IMO Instruments Not applicable. **Transport/Additional information:** ADR Limited quantities (LQ) 1L Excepted quantities (EQ) Code: E0 Not permitted as Excepted Quantity Transport category 2 Tunnel restriction code D IMDG Limited quantities (LQ) 1LExcepted quantities (EQ) Code: E0 Not permitted as Excepted Quantity **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

<u>15 – REGULATORY INFORMATION</u>

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







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 Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16-OTHER INFORMATION

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. EUH066 Repeated exposure may cause skin dryness or cracking. 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 relatif au transport international 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) DNEL: Derived No-Effect Level (UK REACH) PNEC: Predicted No-Effect Concentration (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Gas 1A: Flammable gases - Category 1A Aerosol 1: Aerosols – Category 1 Press. Gas (Comp.): Gases under pressure - Compressed 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





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STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

The information contained in these sheets is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects and should not be construed as any guarantee of technical performance or suitability for particular applications.