

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

Revision date: 21.02.2023

1- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product details

Trade name: Aerosol Structure spray black, Texture Spray black

Article number: 26340, 26345

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.

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:

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

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

4- FIRST - AID MEASURE

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.

- **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– FIRE - FIGHTING MEASURE

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.

6– ACCIDENTAL RELEASE MEASURE

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.

- 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.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Ingredients with limit values that require monitoring at the workplace:		
141-78-6 ethyl acetate		
WEL	Short-term value: 1468 mg/m³, 400 ppm Long-term value: 734 mg/m³, 200 ppm	
123-86-4 n-butyl acetate		
WEL	Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm	
106-97-8 butane (containing < 0,1 % butadiene (203-450-8))		
WEL	Short-term value: 1810 mg/m³, 750 ppm Long-term value: 1450 mg/m³, 600 ppm Carc (if more than 0.1% of buta-1.3-diene)	
78-93-3 butanone		
WEL	Short-term value: 899 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm Sk, BMGV	
64-17-5 ethanol		
WEL	Long-term value: 1920 mg/m³, 1000 ppm	
DNELs		
141-78-6 ethyl acetate		
Oral	DNEL	4.5 mg/kg /per day (Consumer, longterm systemic)

Dermal	DNEL	63 mg/kg /per day (Worker, longterm systemic)
Inhalative	DNEL	37 mg/kg /per day (Consumer, longterm systemic)
	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-butyl acetate		
Oral	DNEL	2 mg/kg /per day (Consumer, longterm systemic)
Dermal	DNEL	2 mg/kg /per day (Consumer, acute systemic)
	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)
Inhalative	DNEL	6 mg/kg /per day (Consumer, acute systemic)
	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 butanone		
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 ethanol		
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		
123-86-4 n-butyl acetate		

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 butanone	
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 0.63 mg/kg (Soil)
Ingredients 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.

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

9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	<i>Aerosol</i>
Colour:	<i>Black</i>
Odour:	<i>Solvent-like</i>
Odour threshold:	<i>Not determined.</i>
Melting point/freezing point:	<i>Undetermined.</i>
Boiling point or initial boiling point and boiling range	<i>Not applicable, as aerosol.</i>
Flammability:	<i>Not applicable.</i>
Lower and upper explosion limit	
· Lower:	<i>1.7 Vol % (74-98-6 propane)</i>
· Upper:	<i>11.5 Vol % (141-78-6 ethyl acetate)</i>
Flash point:	<i>Not applicable, as aerosol.</i>
Auto-ignition temperature:	<i>365 °C (689 °F) (106-97-8 butane (containing < 0,1 % butadiene (203-450-8)))</i>
Decomposition temperature:	<i>Not determined.</i>

pH	<i>Mixture is non-soluble (in water).</i>
Viscosity:	
Kinematic viscosity	<i>Not determined.</i>
Dynamic:	<i>Not determined.</i>
Solubility	
water:	<i>Not miscible or difficult to mix.</i>
Partition coefficient n-octanol/water (log value)	<i>Not determined.</i>
Vapour pressure at 20 °C (68 °F):	<i>3500 hPa (2625.2 mm Hg)</i>
Density and/or relative density	
Density at 20 °C (68 °F):	<i>0.8 g/cm³ (6.7 lbs/gal)</i>
Relative density	<i>Not determined.</i>
Vapour density	<i>Not determined.</i>
Other information	
Appearance:	
Form:	<i>Aerosol</i>
Important information on protection of health and environment, and on safety.	
Explosive properties:	<i>Not determined.</i>
Solvent content:	
Organic solvents:	<i>80.2 %</i>
VOC (EC)	<i>---</i>
	<i>635.2 g/l</i>
VOC-EU%	<i>80.20 %</i>
Solids content:	<i>19.8 %</i>
Change in condition	
Evaporation rate	<i>Not applicable.</i>
Information with regard to physical hazard classes	
Explosives	<i>Void</i>
Flammable gases	<i>Void</i>
Aerosols	<i>Extremely flammable aerosol. Pressurised container: May burst if heated.</i>
Oxidising gases	<i>Void</i>
Gases under pressure	<i>Void</i>
Flammable liquids	<i>Void</i>
Flammable solids	<i>Void</i>
Self-reactive substances and mixtures	<i>Void</i>
Pyrophoric liquids	<i>Void</i>
Pyrophoric solids	<i>Void</i>
Self-heating substances and mixtures	<i>Void</i>
Substances and mixtures, which emit flammable gases in contact with water	<i>Void</i>

Oxidising liquids	<i>Void</i>
Oxidising solids	<i>Void</i>
Organic peroxides	<i>Void</i>
Corrosive to metals	<i>Void</i>
Desensitised explosives	<i>Void</i>

10- STABILITY AND REACTIVITY

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.

11- TOXICOLOGICAL INFORMATION

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

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	List II

12 – ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity:	
78-93-3 butanone	
LC50 / 48 h	308 mg/l (daphnia magna)
LC50 / 72 h	1972 mg/l (Pseudokirchneriella Subcapitata)
LC50 / 96 h	2990 mg/l (fish)
64-17-5 ethanol	
LC50/96h	13000 mg/l (oncorhynchus mykiss)
EC50 / 48 h	12900 mg/l (algae)
LC50 / 48 h	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.

13- DISPOSAL CONSIDERATION

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.

14- TRANSPORT INFORMATION

UN number or ID number

ADR, IMDG, IATA

UN1950

UN proper shipping name

ADR

1950 AEROSOLS

IMDG

AEROSOLS

IATA

AEROSOLS, flammable

Transport hazard class(es)

ADR



Class

2 5F Gases.

Label

2.1

IMDG, IATA



Class

2.1 Gases.

Label

2.1

Packing group

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)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

15 – REGULATORY INFORMATION

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

- **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

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

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

FON 0049 (0) 6221 - 520 440
FAX 0049 (0) 6221 - 520 449
MAIL INFO@CHAMAELEON-PRODUKTION.DE
WEB WWW.CHAMAELEON-PRODUKTION.DE

■ 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.