

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

Revision date: 31.01.2025

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

**Product details**

**Trade name:** Aerosol Clear Coat PRO

**Article number:** 26407

**Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Intended use:** Car refinishing Product/ Lacquer

**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**



GHS02 flame

Aerosol 1 H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.



GHS07

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:**

acetone

n-butyl acetate

2-ethoxy-1-methylethyl acetate

2-methoxy-1-methylethyl acetate

**Hazard statements**

H222 Extremely flammable aerosol.

H229 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.

P103 Read carefully and follow all instructions.

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.

P271 Use only outdoors or in a well-ventilated area.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

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

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

**Additional information:**

Without adequate ventilation, explosive atmosphere/gas mix may be created.

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

EUH208 Contains Bis(1,2,2,6,6-penthamethyl-4-piperidyl)sebacate. May produce an allergic reaction.

**Other hazards****Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

### 3- COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

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

Dangerous components:		
CAS: 115-10-6 EINECS: 204-065-8 Reg.nr.: 01-2119472128-37-xxxx	dimethyl ether Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018	25-<50%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-xxx	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	10-<25%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-xxxx	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	10-<25%
CAS: 110-12-3 EINECS: 203-737-8 Reg.nr.: 01-2119472300-51-xxxx	5-methylhexan-2-one Flam. Liq. 3, H226; Repr. 2, H361d; Acute Tox. 4, H332	1-<2.5%
CAS: 54839-24-6 EINECS: 259-370-9 Reg.nr.: 01-2119475116-39-xxxx	2-ethoxy-1-methylethyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	1-<2.5%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-xxxx	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	1-<2.5%
CAS: 1065336-91-5 EC number: 915-687-0 Reg.nr.: 01-2119491304-40-xxxx	Bis(1,2,2,6,6-penthamethyl-4-piperidyl)sebacate Repr. 2, H361f; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1A, H317	≥0.025- <0.1%

**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:** If symptoms persist consult 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- FIRE - FIGHTING MEASURE**

**Extinguishing media**

**Suitable extinguishing agents:** Cool container with water

**Special hazards arising from the substance or mixture:** No further relevant information available.

**Advice for firefighters**

**Protective equipment:** No special measures required.

### **6- ACCIDENTAL RELEASE MEASURE**

**Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

**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:**

Keep away from heat and direct sunlight.

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.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric



lights. Do not pierce or burn, even after use.  
**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:** None.

**Specific end use(s):** No further relevant information available.

**8 – EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameters**

<b>Ingredients with limit values that require monitoring at the workplace:</b>	
115-10-6 Dimethyl ether	
WEL	Short-term value: 958 mg/m <sup>3</sup> , 500 ppm Long-term value: 766 mg/m <sup>3</sup> , 400 ppm
67-64-1 acetone	
WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
123-86-4 n-butyl acetate	
WEL	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
110-12-3 5-methylhexan-2-one	
WEL	Short-term value: 475 mg/m <sup>3</sup> , 100 ppm Long-term value: 95 mg/m <sup>3</sup> , 20 ppm Sk
108-65-6 2-methoxy-1-methylethyl acetate	
WEL	Short-term value: 548 mg/m <sup>3</sup> , 100 ppm Long-term value: 274 mg/m <sup>3</sup> , 50 ppm Sk

**Regulatory information** WEL: EH40/2020

**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.

Avoid contact with the eyes.

■ Avoid contact with the eyes and skin.

**Respiratory protection:**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Half mask with combination filter, class A1P2 minimum, or breathing mask with outer air supply.

**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Penetration time of glove material**

Gloves must be changed after every contamination.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

butyl rubber, 0,7mm

**Eye/face protection**

Safety glasses

Tightly sealed goggles

**9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**General Information**

<b>Physical state</b>	Aerosol
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Undetermined.
<b>Boiling point or initial boiling point and boiling range:</b>	-24.9 °C
<b>Flammability:</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	1.2 Vol % (123-86-4 n-butyl acetate)
<b>Upper:</b>	18.6 Vol % (115-10-6 dimethyl ether)
<b>Flash point:</b>	-42 °C (115-10-6 dimethyl ether)
<b>Auto-ignition temperature:</b>	235 °C (115-10-6 dimethyl ether)
<b>Decomposition temperature:</b>	Not determined.
<b>pH:</b>	Mixture is non-polar/aprotic.
<b>Viscosity:</b>	
<b>Kinematic viscosity:</b>	Not determined.

<b>Dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient n-octanol/water (log value):</b>	Not determined.
<b>Vapour pressure at 20 °C (68 °F) :</b>	3,400 hPa (115-10-6 dimethyl ether)
<b>Density and/or relative density</b>	
<b>Density at 20 °C (68 °F):</b>	0.8275 g/ml
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Other information</b>	
<b>Appearance:</b>	
<b>Form:</b>	Aerosol
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible. Not determined.
<b>Solvent content:</b>	
<b>Organic solvents:</b>	79.8 %
<b>VOC (EC)</b>	(<840g/l)
<b>VOC-EU%</b>	79.80 %
<b>Solids content:</b>	20.1 %
<b>Change in condition</b>	
<b>Evaporation rate:</b>	Not applicable.
<b>Information with regard to physical hazard classes</b>	
<b>Explosives:</b>	Void
<b>Flammable gases:</b>	Void
<b>Aerosols:</b>	Extremely flammable aerosol. Pressurised container: May burst if heated.
<b>Oxidising gases:</b>	Void
<b>Gases under pressure:</b>	Void
<b>Flammable liquids:</b>	Void.
<b>Flammable solids:</b>	Void
<b>Self-reactive substances and mixtures:</b>	Void
<b>Pyrophoric liquids:</b>	Void
<b>Pyrophoric solids:</b>	Void
<b>Self-heating substances and mixtures:</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water:</b>	Void
<b>Oxidising liquids:</b>	Void
<b>Oxidising solids:</b>	Void

<b>Organic peroxides:</b>	Void
<b>Corrosive to metals:</b>	Void
<b>Desensitised explosives:</b>	Void

## 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:**

ATE (Acute Toxicity Estimates)

Inhalative	LC50 / 4 h	463 mg/l
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**Primary irritant effect:**

**Serious eye damage/irritation** Causes serious eye irritation

**STOT-single exposure** May cause drowsiness or dizziness.

**Information on other hazards**

**Endocrine disrupting properties**

None of the ingredients is listed.

## 12 - ECOLOGICAL INFORMATION

**Toxicity**

**Aquatic toxicity:** No further relevant information available.

**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:**  
The product does not contain substances with endocrine disrupting properties.
- Other adverse effects**
- Additional ecological information:**
- General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

**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.

**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:** No

**Special precautions for user** Warning: Gases.

**Hazard identification number (Kemler code):** -

**EMS Number:** F-D,S-U

**Stowage Category** SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1litre: 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 1litre: 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.**

<b>Regulated explosives precursors</b>		
None of the ingredients is listed.		
<b>Regulated poisons</b>		
None of the ingredients is listed.		
<b>Reportable explosives precursors</b>		
67-64-1	acetone	Listed
<b>Reportable poisons</b>		
None of the ingredients is listed.		

**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

**National regulations:**

**Technical instructions (air):**

Class Share in %

NK 50-100

**Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

**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.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

H361f Suspected of damaging fertility.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH018 In use may form flammable/explosive vapour-air mixture.

EUH066 Repeated exposure may cause skin dryness or cracking.

**Abbreviations and acronyms:**

- 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)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- ATE: Acute toxicity estimate values
- Flam. Gas 1A: Flammable gases – Category 1A
- Aerosol 1: Aerosols – Category 1
- : Aerosols – Category 3
- Press. Gas (Comp.): Gases under pressure – Compressed gas
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1A: Skin sensitisation – Category 1A
- Repr. 2: Reproductive toxicity – Category 2
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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.