

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

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

**Product details**

**Trade name:** Aerosol Control guide coat

**Article number:** 26051

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

**Manufacturer/Supplier:** Chamäleon GmbH

Rudolf-Diesel-Straße, 8a, 69155 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

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



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**

Xi; Irritant

R36: Irritating to eyes.

F+; Extremely flammable

R12: Extremely flammable.

R66-67: Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Chamäleon GmbH- Safety Data Sheet

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Warning! Pressurized container.

Has a narcotizing effect.

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**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-determining components of labelling:**

acetone

n-butyl acetate

butan-1-ol

propan-2-ol

**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**

P102 Keep out of reach of children.

P260 Do not breathe spray.

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.

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

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

**Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking

**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: 67-64-1<br>EINECS: 200-662-2<br>Index number: 606-001-00-8<br>Reg.nr.: 01-2119471330-49-xxxx  | acetone<br>Xi R36<br>F R11<br>R66-67  | 25-50%   |
|  | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319; STOT SE 3, H336   |          |
| CAS: 115-10-6<br>EINECS: 204-065-8<br>Index number: 603-019-00-8<br>Reg.nr.: 01-2119472128-37-xxxx | dimethyl ether<br>F+ R12  | 20-25%   |
|  | Flam. Gas 1, H220; Flam. Liq. 1, H224<br>Press. Gas, H280   |          |
| CAS: 123-86-4<br>EINECS: 204-658-1<br>Index number: 607-025-00-1<br>Reg.nr.: 01-2119485493-29-xxxx | n-butyl acetate<br>R10-66-67  | 12.5-20% |
|  | Flam. Liq. 3, H226<br>STOT SE 3, H336   |          |
| CAS: 74-98-6<br>EINECS: 200-827-9<br>Index number: 601-003-00-5<br>Reg.nr.: 01-2119486944-21-xxxx  | propane<br>F+ R12   | 5-10%    |
|  | Flam. Gas 1, H220<br>Press. Gas, H280   |          |
| CAS: 108-65-6<br>EINECS: 203-603-9<br>Index number: 607-195-00-7<br>Reg.nr.: 01-2119475791-29-xxxx | 2-methoxy-1-methylethyl acetate<br>R10  | 5-10%    |
|  | Flam. Liq. 3, H226  |          |
| CAS: 106-97-8<br>EINECS: 203-448-7<br>Index number: 601-004-00-0<br>Reg.nr.: 01-2119474691-32-xxx  | butane<br>F+ R12  | 5-10%    |
|  | Flam. Gas 1, H220<br>Press. Gas, H280   |          |
| CAS: 75-28-5<br>EINECS: 200-857-2<br>Index number: 601-004-00-0<br>Reg.nr.: 01-2119485395-27-xxxx  | isobutane<br>F+ R12   | 5-10%    |
|  | Flam. Gas 1, H220<br>Press. Gas, H280   |          |
| CAS: 71-36-3<br>EINECS: 200-751-6<br>Index number: 603-004-00-6<br>Reg.nr.: 01-2119484630-38-xxxx  | butan-1-ol<br>Xn R22<br>Xi R37/38-41<br>R10-67  | 1-2.5%   |
|  | Flam. Liq. 3, H226<br>Eye Dam. 1, H318<br>Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336 |          |
| CAS: 9004-70-0   | Nitrocellulose (nitrogen content <12.6%)<br>F R11   | 1-2.5%   |
|  | Flam. Sol. 1, H228  |          |

|   |  |        |
|---|--|--------|
| CAS: 67-63-0<br>EINECS: 200-661-7<br>Index number: 603-117-00-0<br>Reg.nr.: 01-2119457558-25-xxxx | propan-2-ol<br>Xi R36<br>F R11<br>R67<br>Flam. Liq. 2, H225<br>Eye Irrit. 2, H319; STOT SE 3, H336 | 1-2.5% |
|---|--|--------|

**Additional information:** For the wording of the listed risk 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 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:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**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**

Ensure adequate ventilation

Keep away from ignition sources.

##### **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up:** 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.

Protect against electrostatic charges.

Pressurized 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:**

Store in a 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:** Protect from heat and direct sunlight.

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

## **8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Additional information about design of technical facilities:** No further data; see item 7.

**Control parameters**

|   |  |
|---|--|
| Ingredients with limit values that require monitoring at the workplace: |  |
| 67-64-1 acetone   |  |
| WEL   | Short-term value: 3620 mg/mi, 1500 ppm<br>Long-term value: 1210 mg/mi, 500 ppm |
| 115-10-6 dimethyl ether   |  |
| WEL   | Short-term value: 958 mg/mi, 500 ppm<br>Long-term value: 766 mg/mi, 400 ppm    |
| 123-86-4 n-butyl acetate  |  |
| WEL   | Short-term value: 966 mg/mi, 200 ppm<br>Long-term value: 724 mg/mi, 150 ppm    |

|  |   |
|--|---|
| 108-65-6 2-methoxy-1-methylethyl acetate |   |
| WEL                                      | Short-term value: 548 mg/mi, 100 ppm<br>Long-term value: 274 mg/mi, 50 ppm<br>Sk  |
| 106-97-8 butane                          |   |
| WEL                                      | Short-term value: 1810 mg/mi, 750 ppm<br>Long-term value: 1450 mg/mi, 600 ppm<br>Carc (if more than 0.1% of buta-1.3-diene) |
| 71-36-3 butan-1-ol                       |   |
| WEL                                      | Short-term value: 154 mg/mi, 50 ppm<br>Sk   |
| 67-63-0 propan-2-ol                      |   |
| WEL                                      | Short-term value: 1250 mg/mi, 500 ppm<br>Long-term value: 999 mg/mi, 400 ppm  |

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

#### Exposure controls

##### 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.

Avoid contact with the eyes and skin.

**Respiratory protection:** Not required.

**Protection of hands:** Not required.

**Material of gloves:** Not required.

**Penetration time of glove material:** Not required.

**Eye protection:** Tightly sealed goggles

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

|  |   |
|--|---|
| <b>Information on basic physical and chemical properties</b> |   |
| <b>General Information</b>                                   |   |
| <b>Appearance:</b>   |   |
| <b>Form:</b>   | <i>Aerosol</i>                            |
| <b>Colour:</b>   | <i>According to product specification</i> |
| <b>Odour:</b>  | <i>Characteristic</i>                     |
| <b>Odour threshold:</b>                                      | <i>Not determined.</i>                    |
| <b>pH-value:</b>   | <i>Not determined.</i>                    |
| <b>Change in condition</b>                                   |   |
| <b>Melting point/Melting range:</b>                          | <i>Undetermined.</i>                      |
| <b>Boiling point/Boiling range:</b>                          | <i>Not applicable, as aerosol.</i>        |

|  |   |
|--|---|
| <b>Flash point:</b>                              | < 0 °C (< 32 °F)<br><i>Not applicable, as aerosol.</i>  |
| <b>Flammability (solid, gaseous):</b>            | <i>Not applicable.</i>  |
| <b>Ignition temperature:</b>                     | 240 °C (464 °F)   |
| <b>Decomposition temperature:</b>                | <i>Not determined.</i>  |
| <b>Self-igniting:</b>                            | <i>Product is not selfigniting.</i>   |
| <b>Danger of explosion:</b>                      | <i>Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.</i> |
| <b>Explosion limits:</b>                         |   |
| <b>Lower:</b>                                    | 1.2 Vol %   |
| <b>Upper:</b>                                    | 26.2 Vol %  |
| <b>Vapour pressure at 20°C (68 °F):</b>          | 4000 hPa (3000 mm Hg)   |
| <b>Density at 20 °C (68 °F):</b>                 | 0.76473 g/cmi (6.382 lbs/gal)   |
| <b>Relative density</b>                          | <i>Not determined.</i>  |
| <b>Vapour density</b>                            | <i>Not determined.</i>  |
| <b>Evaporation rate</b>                          | <i>Not applicable.</i>  |
| <b>Solubility in / Miscibility with water:</b>   | <i>Not miscible or difficult to mix.</i>  |
| <b>Partition coefficient (n-octanol/ water):</b> | <i>Not determined.</i>  |
| <b>Viscosity:</b>                                |   |
| <b>Dynamic:</b>                                  | <i>Not determined.</i>  |
| <b>Kinematic:</b>                                | <i>Not determined.</i>  |
| <b>Solvent content:</b>                          |   |
| <b>Organic solvents:</b>                         | 92.1 %  |
| <b>EU-VOC:</b>                                   | 704.2 g/l   |
| <b>EU-VOC in %:</b>                              | 92.09 %   |
| <b>Solids content:</b>                           | 9.6 %   |
| <b>Other information</b>                         | <i>No further relevant information available.</i>   |

## 10- STABILITY AND REACTIVITY

### Reactivity

#### 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 toxicological effects**

#### **Acute toxicity:**

|   |            |                       |
|---|------------|-----------------------|
| LD/LC50 values relevant for classification: |            |                       |
| 67-64-1 acetone                             |            |                       |
| Oral  | LD50       | 5800 mg/kg (rat)      |
| Dermal                                      | LD50       | 20000 mg/kg (rabbit)  |
| Inhalative                                  | LC50 / 4 h | 39 mg/m3 (rat)        |
| 115-10-6 dimethyl ether                     |            |                       |
| Inhalative                                  | LC50 / 4 h | 308 mg/m3 (rat)       |
| 123-86-4 n-butyl acetate                    |            |                       |
| Oral  | LD50       | 10770 mg/kg (rat)     |
| Dermal                                      | LD50       | >17600 mg/kg (rabbit) |
| Inhalative                                  | LC50 / 4 h | >21.0 mg/m3 (rat)     |
| 108-65-6 2-methoxy-1-methylethyl acetate    |            |                       |
| Oral  | LD50       | 8532 mg/kg (rat)      |
| Dermal                                      | LD50       | >5000 mg/kg (rabbit)  |
| Inhalative                                  | LC50 / 4 h | 35.7 mg/m3 (rat)      |
| 106-97-8 butane                             |            |                       |
| Inhalative                                  | LC50 / 4 h | 658000 mg/m3 (rat)    |
| 71-36-3 butan-1-ol                          |            |                       |
| Oral  | LD50       | 2292 mg/kg (rat)      |
| Dermal                                      | LD50       | 3430 mg/kg (rabbit)   |
| Inhalative                                  | LC50 / 4 h | 17.76 mg/m3 (rat)     |
| 67-63-0 propan-2-ol                         |            |                       |
| Oral  | LD50       | 5045 mg/kg (rat)      |
| Dermal                                      | LD50       | 12800 mg/kg (rabbit)  |
| Inhalative                                  | LC50 / 4 h | 30 mg/m3 (rat)        |

#### **Primary irritant effect:**

on the skin: No irritant effect.

on the eye: Irritating effect.

**Sensitization:** No sensitizing effects known.

#### **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant



## **12 – ECOLOGICAL INFORMATION**

### **Toxicity**

|   |                                 |
|---|---------------------------------|
| <b>Aquatic toxicity:</b>                        |                                 |
| <b>67-64-1 acetone</b>                          |                                 |
| EC50 / 48 h                                     | 8800 mg/l (daphnia magna)       |
| LC50 / 48 h                                     | 2262 mg/l (daphnia magna)       |
| LC50 / 96 h (static)                            | 5540 mg/l (fish)                |
| <b>115-10-6 dimethyl ether</b>                  |                                 |
| EC50 / 48 h                                     | >4000 mg/l (daphnia magna)      |
| <b>123-86-4 n-butyl acetate</b>                 |                                 |
| EC50 / 48 h                                     | 44 mg/l (daphnia magna)         |
| EC50 / 96 h                                     | 320 mg/l (algae)                |
| LC50 / 24 h                                     | 205 mg/l (daphnia magna)        |
| LC50 / 96 h                                     | 18 mg/l (Pimephales promelas)   |
| <b>108-65-6 2-methoxy-1-methylethyl acetate</b> |                                 |
| EC50  | 408 mg/l (daphnia magna)        |
| <b>71-36-3 butan-1-ol</b>                       |                                 |
| EC50 / 48 h                                     | 1328 mg/l (daphnia magna)       |
| EC50 / 72 h                                     | 8500 mg/l (algae)               |
| LC50 / 96 h                                     | 1376 mg/l (Pimephales promelas) |
| <b>67-63-0 propan-2-ol</b>                      |                                 |
| EC50 / 48 h                                     | 13299 mg/l (daphnia magna)      |
| LC50 / 96 h (dynamic)                           | 4200 mg/l (fish)                |

**Persistence and degradability** No further relevant information available.

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

### **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.

#### **Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

**Other adverse effects** No further relevant information available.

## **13– DISPOSAL CONSIDERATION**

### **Waste treatment methods**

#### **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

|                          |   |
|--------------------------|---|
| European waste catalogue |   |
| 08 01 11*                | waste paint and varnish containing organic solvents or other dangerous substances |
| 15 01 04                 | metallic packaging  |

### Uncleaned packaging:

**Recommendation:** Non contaminated packagings may be recycled.

## 14- TRANSPORT INFORMATION

### UN-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

Label

2.1

### Packing group

ADR, IMDG, IATA

Void

### Environmental hazards:

**Marine pollutant:**

No

### Special precautions for user

Warning: Gases

**Danger code (Kemler):**

-

**EMS Number:**

F-D,S-U

**Transport in bulk according to Annex II of  
MARPOL 73/78 and the IBC Code** Not applicable.

**Transport/Additional information:**

**ADR**

|                          |  |
|--------------------------|--|
| Limited quantities (LQ)  | 1L   |
| Excepted quantities (EQ) | Code: E0<br>Not permitted as Excepted Quantity |
| Transport category       | 2  |
| Tunnel restriction code  | D  |

**IMDG**

|                          |  |
|--------------------------|--|
| Limited quantities (LQ)  | 1L   |
| Excepted quantities (EQ) | Code: E0<br>Not permitted as Excepted Quantity |
| UN "Model Regulation":   | UN1950, AEROSOLS, 2.1                          |

**15 – REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture:** No further relevant information available.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16-OTHER INFORMATION**

**Relevant phrases**

H220 Extremely flammable gas.  
H224 Extremely flammable liquid and vapour.  
H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H228 Flammable solid.  
H280 Contains gas under pressure; may explode if heated.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.

R10 Flammable.

R11 Highly flammable.



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R12 Extremely flammable.  
R22 Harmful if swallowed.  
R36 Irritating to eyes.  
R37/38 Irritating to respiratory system and skin.  
R41 Risk of serious damage to eyes.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness

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.