

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

Revision date: 13.07.2023

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

**Product details**

**Trade name:** 2K All in one primer

**Article number:** 14664

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

No further relevant information available.

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

**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

Flam. Liq. 3 H226 Flammable liquid and vapour.

**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

**Signal word** Warning

**Hazard statements**

- H226 Flammable liquid and vapour.
- Precautionary statements**
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P242 Use non-sparking tools.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P403+P235 Store in a well-ventilated place. Keep cool.
- Additional information:**
- EUH208 Contains dibutyltin dilaurate. 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: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-Butyl acetate	<15%
	Flam. Liq. 3, H226;d~ STOT SE 3, H336, EUH066	
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	Xylene	5-<10%
	Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-Methoxy-1-methylethyl acetate	<2.5%
	Flam. Liq. 3, H226; STOT SE 3, H336	
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35	Ethylbenzene	<2.5%
	Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	
CAS: 77-58-7	dibutyltin dilaurate	≥0.1-

EINECS: 201-039-8 Reg.nr.: 01-2119496068-27	Muta. 2, H341; Repr. 1B, H360FD; STOT SE 1, H370; STOT RE 1, H372; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	<0.25%
--	---	--------

#### Additional information:

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

### 4- FIRST - AID MEASURE

#### Description of first aid measures

**General information:** Immediately remove any clothing soiled by the product.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Immediately rinse with water.

**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:**

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:

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:**

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
 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:

No special measures required.

No special precautions are necessary if used correctly.

### Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

### Conditions for safe storage, including any incompatibilities

#### Storage:

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Store away from foodstuffs.

**Further information about storage conditions:** Keep container tightly sealed.

**Storage class:** 3

**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:	
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
1330-20-7 Xylene	
WEL	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm Sk; BMGV
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

100-41-4 Ethylbenzene	
WEL	Short-term value: 552 mg/m <sup>3</sup> , 125 ppm Long-term value: 441 mg/m <sup>3</sup> , 100 ppm Sk
77-58-7 dibutyltin dilaurate	
WEL	Short-term value: 0.2 mg/m <sup>3</sup> Long-term value: 0.1 mg/m <sup>3</sup> as Sn; Sk
<b>Ingredients with biological limit values:</b>	
1330-20-7 Xylene	
BMGV	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

**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:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

**Respiratory protection:** Use suitable respiratory protective device only when aerosol or mist is formed.

#### Protection of hands:

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

Protective gloves (EN 374)

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

#### Material of gloves

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### Eye/face protection

Tightly sealed goggles

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

### General Information

#### Physical state

Fluid

#### Colour:

According to product specification

#### Odour:

Characteristic

#### Odour threshold:

Not determined.

#### Melting point/freezing point:

Undetermined.

#### Boiling point or initial boiling point and boiling range:

124-128 °C (123-86-4 n-Butyl acetate)

#### Flammability:

Flammable.

#### Lower and upper explosion limit

##### Lower:

1.2 Vol % (123-86-4 n-Butyl acetate)

##### Upper:

7.5 Vol % (123-86-4 n-Butyl acetate)

#### Flash point:

24 °C (DIN EN ISO 1523:2002)

#### Auto-ignition temperature:

&gt;350 °C (DIN 51794)

#### Decomposition temperature:

Not determined.

#### pH:

Not determined.

#### Viscosity:

##### Kinematic viscosity at 20 °C

&gt;60 s (ISO 6 mm)

##### Dynamic:

Not determined.

#### Solubility

##### water:

Not miscible or difficult to mix.

##### Partition coefficient n-octanol/water (log value):

Not determined.

##### Vapour pressure at 20 °C:

&lt;15 hPa (Hydroxy acrylic resin)

##### Vapour pressure at 50 °C:

55 hPa

#### Density and/or relative density

##### Density at 20 °C:

1.593 g/cm<sup>3</sup> (DIN EN ISO 2811-1)

##### Relative density

Not determined.

##### Vapour density

Not determined.

### Other information

#### Appearance:

##### Form:

Fluid

#### Important information on protection of health and environment, and on safety.

#### Ignition temperature:

Product is not selfigniting.

#### Explosive properties:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

#### Solvent content:

##### VOC (EC)

23.41 %

##### Solids content (weight-%):

76.3 %

#### Change in condition

Evaporation rate:	Not determined.
Information with regard to physical hazard classes	
Explosives:	Void
Flammable gases:	Void
Aerosols:	Void
Oxidising gases:	Void
Gases under pressure:	Void
Flammable liquids:	Flammable liquid and vapour.
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 flammable gases in contact with water:	Void
Oxidising liquids:	Void
Oxidising solids:	Void
Organic peroxides:	Void
Corrosive to metals:	Void
Desensitised explosives:	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:** Carbon monoxide

## 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.

**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

VAT NO. / UST-ID NR.: DE231468544

EORI NO. / EORI NR.: DE6029442

CEO / GESCHÄFTSFÜHRER: SASCHA HAGEMANN

TRADE REGISTER NO. / HANDELSREGISTER NR.: AMTSGERICHT MANNHEIM HRB 9778

BANK: HEIDELBERGER VOLKSBANK EG

IBAN: DE78 6729 0000 0042 8627 03

BIC: GENODE61HD

- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- Carcinogenicity** Based on available data, the classification criteria are not met.
- Reproductive toxicity** Based on available data, the classification criteria are not met.
- STOT-single exposure** Based on available data, the classification criteria are not met.
- STOT-repeated exposure** Based on available data, the classification criteria are not met.
- Aspiration hazard** Based on available data, the classification criteria are not met.

## 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:** For information on endocrine disrupting properties see section 11.

### Other adverse effects

### Additional ecological information:

#### General notes:

Water hazard class 2 (German Regulation) : hazardous for water

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

Danger to drinking water if even small quantities leak into the ground.

## 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 UN1263

### UN proper shipping name

ADR UN1263 PAINT  
IMDG, IATA PAINT

### Transport hazard class(es)

ADR



Class 3 (F1) Flammable liquids.  
Label 3

### IMDG, IATA



Class 3 Flammable liquids.  
Label 3

### Packing group

ADR, IMDG, IATA III

### Environmental hazards:

Marine pollutant: No

Special precautions for user Warning: Flammable liquids.

Hazard identification number (Kemler code): 30

EMS Number: F-E, S-E

Stowage Category A

### Maritime transport in bulk according to IMO

Instruments: Not applicable.

### Transport/Additional information:

ADR

Limited quantities (LQ) 5L

Transport category	3
Tunnel restriction code	D/E
Remarks:	≤ 450 l: 2.2.3.1.5 ADR
IMDG	
Limited quantities (LQ)	5L
Remarks:	≤ 30 l: 2.2.3.5 IMDG-Code
UN "Model Regulation":	UN 1263 PAINT, 3, III

### 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 P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 5000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 50000 t

National regulations:

Additional classification according to Decree on Hazardous Materials, Annex II:

Class	Share in %
NK	10-25

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

### 16-OTHER INFORMATION

#### Relevant phrases

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

- H336 May cause drowsiness or dizziness.
- H341 Suspected of causing genetic defects.
- H360FD May damage fertility. May damage the unborn child.
- H370 Causes damage to organs.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

#### **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

#### **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)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Muta. 2: Germ cell mutagenicity – Category 2

Repr. 1B: Reproductive toxicity – Category 1B

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

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

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

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](mailto:INFO@CHAMAELEON-PRODUKTION.DE)  
WEB [WWW.CHAMAELEON-PRODUKTION.DE](http://WWW.CHAMAELEON-PRODUKTION.DE)

- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – 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.

VAT NO. / UST-ID NR.: DE231468544  
EORI NO. / EORI NR.: DE6029442  
CEO / GESCHÄFTSFÜHRER: SASCHA HAGEMANN  
TRADE REGISTER NO. / HANDELSREGISTER NR.: AMTSGERICHT MANNHEIM HRB 9778  
Chamäleon GmbH – Technical Data Sheet

BANK: HEIDELBERGER VOLKSBANK EG  
IBAN: DE78 6729 0000 0042 8627 03  
BIC: GENODE61HD