

***SAFETY DATA SHEET***  
***according to 1907/2006/EC, Article 31***      *Revision date: 06.03.2018*

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

**Product details**

**Trade name:** Epoxy Primer

**Article number:** 26032

**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:** PC9a Coatings and paints, thinners, paint removers

**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**



GHS02 flame

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.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

**Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

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## Hazard pictograms



GHS02 GHS07

**Signal word** Danger

## Hazard-determining components of labelling:

acetone

propan-2-ol

butanol

## Hazard statements

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

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

## Precautionary statements

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.

## 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.

<b>Dangerous components:</b>		
CAS: 115-10-6	dimethyl ether	25-<50%
EINECS: 204-065-8		
Index number: 603-019-00-8	Flam. Gas 1, H220	
Reg.nr.: 01-2119472128-37	Press. Gas C, H280	

CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone	25-<50%
	Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32	xylene, mixture of isomers	5-<10%
	Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25	propan-2-ol	5-<10%
	Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	
CAS: 78-83-1 EINECS: 201-148-0 Index number: 603-108-00-1 Reg.nr.: 01-2119484609-23	butanol	<2.5%
	Flam. Liq. 3, H226 Eye Dam. 1, H318 Skin Irrit. 2, H315; STOT SE 3, H335-H336	
CAS: 1314-13-2 EINECS: 215-222-5 Index number: 030-013-00-7 Reg.nr.: 01-2119463881-32	zinc oxide	<1%
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	

**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:**

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

**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

Keep away from ignition sources.

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

**Environmental precautions**

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:**

Dispose contaminated material as waste according to item 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.

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:** Keep container tightly sealed.

**Storage class:** 2 B

**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**

<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
1330-20-7 xylene, mixture of isomers	
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
67-63-0 propan-2-ol	
WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm
78-83-1 butanol	
WEL	Short-term value: 231 mg/m <sup>3</sup> , 75 ppm Long-term value: 154 mg/m <sup>3</sup> , 50 ppm
<b>Ingredients with biological limit values:</b>	
1330-20-7 xylene, mixture of isomers	
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**

#### **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.

**Protection of hands:**

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.

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

**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.

**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

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

**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>Grey</i>
<b>Odour:</b>	<i>Solvent-like</i>
<b>Odour threshold:</b>	<i>Not determined.</i>
<b>pH-value at 20 °C (68 °F):</b>	<i>1</i>
<b>Change in condition</b>	
<b>Melting point/freezing point:</b>	<i>Undetermined.</i>
<b>Initial boiling point and boiling range:</b>	<i>Not applicable, as aerosol</i>
<b>Flash point:</b>	<i>&lt;0 °C (&lt;32 °F) Not applicable, as aerosol.</i>
<b>Flammability (solid, gas):</b>	<i>Not applicable.</i>
<b>Ignition temperature:</b>	<i>240 °C (464 °F)</i>
<b>Decomposition temperature:</b>	<i>Not determined.</i>
<b>Auto-ignition temperature:</b>	<i>Product is not selfigniting.</i>

<b>Explosive properties:</b>	<i>Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</i>
<b>Explosion limits:</b>	
<b>Lower:</b>	<i>2.6 Vol %</i>
<b>Upper:</b>	<i>26.2 Vol %</i>
<b>Vapour pressure at 20 °C (68 °F):</b>	<i>4,000 hPa (3 mm Hg)</i>
<b>Density at 20 °C (68 °F):</b>	<i>0.82 g/cm<sup>3</sup> (6.84 lbs/gal)</i>
<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>	<i>83.8 %</i>
<b>EU-VOC:</b>	<i>683.4 g/l</i>
<b>EU-VOC in %:</b>	<i>83.84 %</i>
<b>VOC (EC)</b>	<i>---</i>
	<i>683.4 g/l</i>
<b>VOC-EU%</b>	<i>83.84 %</i>
<b>Solids content:</b>	<i>16.0 %</i>
<b>Other information</b>	<i>No further relevant information available.</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 toxicological effects

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

<b>LD/LC50 values relevant for classification:</b>		
67-64-1 acetone		
Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	>15,800 mg/kg (rabbit)
Inhalative	LC50 / 4h	76 mg/l (rat)
1330-20-7 xylene, mixture of isomers		
Oral	LD50	3,523 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50 / 4h	29,000 mg/m <sup>3</sup> (rat)
67-63-0 propan-2-ol		
Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	13,900 mg/kg (rabbit)
Inhalative	LC50	>25 mg/l (rat) LC 50: 6h

### Primary irritant effect:

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

### Serious eye damage/irritation

Causes serious eye irritation.

**Respiratory or skin sensitization** Based on available data, the classification criteria are not met.

### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

**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

May cause drowsiness or dizziness.

**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

<b>Aquatic toxicity:</b>	
115-10-6 dimethyl ether	
EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4,000 mg/l (daphnia magna)
LC50 / 96 h	>4,000 mg/l (fish)



67-64-1 acetone	
LC50/96h	8,300 mg/l (fish)
EC50/96h	7,200 mg/l (algae)
LC50 / 48 h	8,450 mg/l (crustacean (water flea))
1330-20-7 xylene, mixture of isomers	
EC50 / 48 h	7.4 mg/l (daphnia magna)
LC50 / 96 h	13.5 mg/l (fish)
67-63-0 propan-2-ol	
LC50/96h	9,640 mg/l (pimephales promelas; 96h)
LC50 / 24 h	9,714 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.

**Ecotoxicological effects:**

**Remark:** Harmful to fish

**Additional ecological information:**

**General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): 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.

Harmful to aquatic organisms

**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.

<b>European waste catalogue</b>	
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 not regulated

**Environmental hazards:** Not applicable.

**Special precautions for user** Warning: Gases.  
**Danger code (Kemler):** -  
**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.

**Transport in bulk according to Annex II of Marpol and the IBC Code** 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  
 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

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 40

**National regulations:**

**Other regulations, limitations and prohibitive regulations**

<b>Substances of very high concern (SVHC) according to REACH, Article 57</b>
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None of the ingredients is listed.
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**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.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- 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.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

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.