

**Safety Data Sheet**  
according to 1907/2006/ EC, Article 31

Printing date: 18.09.2014

Version 2

Revision: 15.09.2016

**\*1 Identification of the substance/preparation and of the company/undertaking**

**Product details**

- **Trade name:** Composite Creopal Primer
- **Application of the substance / the preparation:** Auxiliary for dental technology
- **Manufacturer/ Supplier**  
KLEMA Dentalprodukte GmbH  
Koblacherstraße 3a, A-6812 Meiningen  
Tel. +43 5522 36837-33  
Fax +43 5522 36839  
E-Mail: office@klema.at
- **Further information obtainable from:** Technical Operations
- **Information in case of emergency:**  
For Great Britain:  
Poisons Information Service: 0870 600 6266

**2 Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Flammable liquids, Category 2  
Eye irritation, Category 2  
Skin sensitisation, Category 1  
Specific target organ toxicity — repeated exposure: Category 3

Irritating to eyes, May cause sensitisation by skin contact, Vapours may cause drowsiness and dizziness  
Highly flammable

- **Label elements**
- **Labelling according to EU guidelines:**



- **Danger**
- **Hazard statements:**  
Highly flammable liquid and vapour. (H225)  
May cause an allergic skin reaction. (H317)  
Causes serious eye irritation. (H319)  
May cause drowsiness or dizziness. (H336)

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**· Precautionary statements:**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. (P210)

Avoid breathing vapours. (P261)

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

IF ON SKIN: Wash with plenty of soap and water. (P302 + P352)

Store in a well-ventilated place. Keep container tightly closed. (P403 + P233)

Dispose of contents/container to local/regional/national/international regulations.(P501)



### 3 Composition/information on ingredients

**· Chemical characterization**

**Description:**

Mixture of substances listed below with nonhazardous additions

Mixture: consisting of the following components.

CAS: 67-64-1 EINECS: 200-662-2	 Acetone	H225, H319, H336	P210, P261, P305+P351+ P338	≥60%
CAS: 80-62-6 EINECS: 201-297-1	 Methyl methacrylate (MMA)	H225, H315, H317, H335	P210, P261, P280	≥40%
CAS: 10373-78-1 EINECS: 233-814-1	Photo initiator			< 0,5%

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

### 4 First aid measures

- **General information:** No special measures required
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash with plenty of soap and 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.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or sand. Do not use water!
- **Special hazards arising from the substance or mixture:** Water, High pressure water jet
- **Advice for firefighters:**
- **Protective equipment:** No special measures required.

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#### 6 Accidental release measures

- **Person-related safety precautions:** Use personal protective equipment. Keep away unprotected persons.
- **Measures for environmental protection:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
- **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure good ventilation must be provided. Do not rinse with water or aqueous cleaning agents.

#### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling:** Ensure good ventilation / exhaustion at the workplace. Avoid the formation of aerosols. For use in dentistry only.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke. Take precautionary measures against static discharges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in cool place.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### 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	
PEL()	2400mg/m <sup>3</sup> , 1000ppm
REL()	590mg/m <sup>3</sup> 250ppm
TLV()	Short-term exposure: 1782 mg/m <sup>3</sup> , 750ppm
	Long-term exposure: 1182 mg/m <sup>3</sup> 500ppm
	BEI
- **Additional information:** The lists valid during the making were used as basis.
- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device; In case of intensive or longer exposure use self-contained breathing apparatus that is independent of the ambient air. Use suitable respiratory protective device in case of insufficient ventilation.
- **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

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quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

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

- **Eye protection:** Goggles recommended during refilling.

## 9 Physical and chemical properties

- **General Information**

<b>Form:</b>	Liquid
<b>Colour:</b>	According the product specification
<b>Odour:</b>	Characteristic

- **Change in condition**

**Melting point/Melting range:** Not determined.

**Boiling point/Boiling range:** 55°C (131°F)

- **Flash point:** -19°C (-2°F)

**Ignition temperature:** 465°C (-869°F)

- **Self-igniting:** Product is not self-igniting.

- **Danger of explosion:**

**lower:** 2,6 Vol%

**upper:** 13,0 Vol%

- **Density:** Not determined.

- **Solubility in / Miscibility with**

- **water:** soluble

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications

- **Substances to be avoided:** -

- **Possibility of hazardous reactions:** No dangerous reactions known.

- **Hazardous decomposition products:** None under normal conditions of storage and use.

## 11 Toxicological information

- **Acute toxicity:**

- **Primary irritant effect:**

- **on the eye:** Irritating effect.

- **Sensitization:** Sensitizing effect is possible by skin contact

- **Additional toxicological information:**

The product is subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant

## 12 Ecological information

- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system.

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### 13 Disposal considerations

- **Product:**
- **Recommendation:** Should not be disposed of with other household waste. Do not allow product to reach sewers and rivers.
- **Uncleansed packaging:**
- **Recommendation:** Disposal must be made according to official regulations

### 14 Transport information

UN-Number

ADR/RID: 1090

IMDG: 1090

IATA: 1090

UN proper shipping name::

ADR/RID: ACETONE, mixture

IMDG: ADR/RID: ACETONE,  
mixture

IATA: ACETONE, mixture

Transport hazard class(es)

ADR/RID: 3

IMDG:3

IATA:3

Packaging group

ADR/RID: II

IMDG: II

IATA: II

Environmental hazards

ADR/RID: nein

IMDG Marine pollutant: no

IATA: no

Special precautions for user

No data available

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### \*16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

**Department issuing MSDS:** Research and Development

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- Klema Dentalprodukte GmbH
- Tel. +43 5522 36837-33

#### · Hazard statement(s) and Precautionary statement(s)

H225      Highly flammable liquid and vapour.  
 H315      Causes skin irritation  
 H317      May cause an allergic skin reaction  
 H319      Causes serious eye irritation

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H335      *May cause respiratory irritation.*  
H336      *May cause drowsiness or dizziness.*

P210                      *Keep away from heat/sparks/open flames/hot surfaces. – No smoking*  
P261                      *Avoid breathing dust/fume/gas/mist/vapours/spray.*  
P280                      *Wear protective gloves/protective clothing/eye protection/face protection.*  
P305+P351+P338      *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

· **Detailed international transport information**

- DOT regulations:
- Hazard class: 3
- Identification number: UN1090
- Packing group: II
- Proper shipping name (technical name): ACETONE, mixture
- Label: 3

- Land transport ADR/RID (cross-border):
- ADR/RID class: 3(F1) Flammable liquids
- Danger code (Kemler): 33
- UN-Number: 1090
- Packaging group: II
- Label: 3
- Description of goods: 1090 ACETONE, mixture

- Maritime transport IMDG:
- IMDG class: 3
- UN Number: 1090
- Label: 3
- Packaging group: II
- EMS Number: F-E, S-D
- Marine pollutant: No
- Proper shipping name: ACETONE, mixture

- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA class: 3
- UN/ID Number: 1090
- Label: 3
- Packaging group: II
- Proper shipping name: ACETONE, mixture

· \* **Data compared to the previous version altered.**