

1. Commercial product name and company identification

- 1.1 Commercial product name **CEKA Multi Primer**
- 1.2 Company ALPHADENT NV, Textielstraat 24,
8790 Waregem, Belgium, + 32 (0)56 629 100
- 1.3 Emergency contact Belgian Poison Control Centre (24 hours)
070 245 245
or call a poison control centre in your area

2. Composition

- 2.1 Chemical characterization Dental bonding material.
Mixture of substances listed below with non hazardous additions.
- 2.2 Hazardous components Methyl methacrylate
CAS / EINECS 80-62-6 / 201-297-1
Concentration 75-100 %
 Xi R37/38-43;  F R11
 Flam. Liq. 2, H225;
 Skin Irrit. 2, H315; Skin Sens. 1, H317;
STOT SE3, H335
- 2.3 Further information For the wording of the listed risk phrases refer to section 16.

3. Hazards information

**Classification of the substance or mixture
Classification according to Regulation (EC)
No 1272/2008**

-  GHS02 Flame
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
-  GHS07
Skin Irrit. 2 H315 Causes skin irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xi; Irritant

R37/38: Irritating to respiratory system and skin.



Xi; Sensitizing

R43: May cause sensitization by skin contact.



F; Highly flammable

R11: Highly flammable.

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.

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:

Methyl methacrylate

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P321 Specific treatment (see on this label).
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.
Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable
vPvB: Not applicable

4. First aid measures

- | | | |
|-----|---------------------|--|
| 4.1 | Eye contact | Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. |
| 4.2 | Skin contact | Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor. |
| 4.3 | Ingestion | Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately. |
| 4.4 | Inhalation | Take affected persons into fresh air and keep quiet. Seek medical treatment. |
| 4.5 | Further information | Immediately remove any clothing soiled by the product. |

5. Fire-fighting measures

- | | | |
|-----|--|---|
| 5.1 | Suitable extinguishing media | Foam, water spray, fire-extinguishing powder, carbon dioxide |
| 5.2 | For safety reasons unsuitable extinguishing agents | Water with full jet |
| 5.3 | Protective equipment | Wear self-contained respiratory protective device. |
| 5.4 | Additional information | Cool endangered receptacles with water spray. Collect contaminated fire-fighting water separately. It must not enter the sewage system. |

6. Accidental release measures

- | | | |
|-----|---|--|
| 6.1 | Personal precautions, protective equipment and emergency procedures | Ensure adequate ventilation. Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources. Use respiratory protective device against the effects of fumes/dust/aerosol. |
| 6.2 | Environmental precautions | Do not allow to enter sewers/surface or ground water. |
| 6.3 | 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 item 13. |

7. Handling and storage

- | | | |
|-----|----------|--|
| 7.1 | Handling | Keep receptacles tightly sealed. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. |
| 7.2 | Storage | Storage between 10 °C and 25 °C. Store away from foodstuffs. Protect from heat and direct sunlight. |

8. Exposure controls / personal protection

- | | | |
|-------|--|---|
| 8.1 | Additional information about design of technical facilities | No further data; see item 7. |
| 8.2 | Ingredients with limit values that require monitoring at the workplace | 80-62-6 methyl methacrylate
WEL Short-term value: 416 mg/m ³ , 100 ppm
Long-term value: 208 mg/m ³ , 50 ppm |
| 8.3 | Personal protective equipment | 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. |
| 8.3.1 | Respiratory protection | Not necessary if room is well-ventilated. |
| 8.3.2 | Hand protection | Solvent resistant gloves.
Material of gloves: butyl rubber, BR.
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. |
| 8.3.3 | Eye protection | Safety glasses |

8.3.4 Skin protection Solvent resistant protective clothing (only when handling large quantities)

9. Physical and chemical properties

9.1 Appearance:	
- Form	Fluid
- Colour	Colourless
9.2 Odour	Characteristic
9.3 pH value	Not determined
9.4 Change in condition	Melting point: - 48 °C Boiling point: 101 °C
9.5 Flash point	10 °C
9.6 Flammability (solid, gaseous)	Not applicable
9.7 Ignition temperature	430 °C
9.8 Decomposition temperature	Not determined
9.9 Self-igniting	Product is not self-igniting.
9.10 Danger of explosion	Product is not explosive. However, formation of explosive air/vapour mixtures is possible.
9.11 Explosion limits	
- upper	2.1 Vol %
- lower	12.5 Vol %
9.12 Vapour pressure	47 hPa (at 20 °C)
9.13 Density	0.94 g/cm ³ (at 20 °C)
9.14 Solubility in / Miscibility with water	1.6 g/l (at 20 °C)
9.15 Segregation coefficient (n-octanol/water)	Not determined
9.16 Viscosity:	
- dynamic	Not determined
- kinematic	Not determined
9.17 Solvent content: organic solvents	0.0 %

10. Stability and reactivity

10.1 Stability	No decomposition if used according to specifications.
10.2 Hazardous reactions	Reacts with peroxides and other radical forming substances. Danger of polymerization.
10.3 Hazardous decomposition products	No dangerous decomposition products known.
10.4 Incompatible materials	In presence of radical formers (e.g. peroxides), deoxidizing substances, and/or heavy metal ions, polymerization with heat release is possible.

11. Toxicological information

11.1 Acute toxicity

LD/LC50 valours relevant for classification:

Methyl methacrylate:

LD-50 oral > 5000 mg/kg rat (lit.)

LD-50 inhalation 7093 ppm/4h rat (lit.)

11.2 Primary irritant effect:

- on the skin:

Irritant to skin and mucous membranes

- on the eye:

Slightly irritating

11.3 Sensitization

May cause sensitization by skin contact.

11.4 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:

Aquatic toxicity: No further relevant information available.

Type of test: toxicity to fish (MMA)

Effective concentration Method:

LC-50: >79 mg/l OECD 203

NOEC: 40 mg/l ISO 7346

Time: 96 h EEC84

Species: *Oncorhynchus mykiss*

Type of test: toxicity to micro-organisms (MMA)

Effective concentration Method

ECO: 100 mg/l

Assessment: starting inhibition of cell growth

Species: *Pseudomonas putida*

Behaviour in environmental systems:

Components:

Methyl methacrylate:

Biodegradability: 30.7 %

Time: 28 d

Method: OECD 301 C

Valuation: difficult to decompose

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.

13. Disposal considerations

Waste treatment methods

Recommendation: Must be specially treated adhering to official regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue: 07 01 04 other organic solvents, washing liquids and mother liquors

Uncleaned packaging

Recommendation: Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Recommended cleansing agent: alcohol

14. Transport information

UN-number

ADR/IMDG/IATA: UN1247

UN-proper shipping name:

ADR: 1247 METHYL METHACRYLATE, MONOMER, STABILIZED, solution

IMDG/IATA: 1247 METHYL METHACRYLATE, MONOMER, STABILIZED, solution

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: II

Environmental hazards:

Marine pollutant: No

Special precautions for user:

Warning: Flammable liquids

Danger code (Kemler): 339

EMS number: F-E, S-D

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable

Transport/additional information:

ADR

Tunnel restriction code: D/E

UN „Model Regulation“: UN1247, METHYL METHACRYLATE, MONOMER, STABILIZED, solution, 3, II

15. Regulatory information

Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

Technical instructions (air):

Class: NK - **Share in %:** 75-100

Water hazard class:

Water Hazard Class 1 (self-assessment): slightly hazardous for water

16. Other information

Relevant phrases

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause and allergic skin reaction.

H335 May cause respiratory irritation.

R11 Highly flammable.

R37/38 Irritating to respiratory system and skin.

R43 May cause sensitization by skin contact.

The above-mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.

Ref. 91/155/EEC