

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: CEKA Multi Primer

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

No further relevant information available.

Application of the substance / the mixture: Dental bonding material.

1.3 Details of the supplier of the safety data sheet

ALPHADENT NV, Mannebeekstraat 33, 8790 Waregem, Belgium, T +32 (0)56 629 531

1.4 Emergency telephone number

Belgian Poison Control Centre (24 hours) **070 245 245** or call a poison control centre in your area

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

- **Classification according to Regulation (EC) No 1272/2008:**
Flam. Liq. 2 H225 Highly flammable liquid and vapour.

2.2 Label elements

- **Labelling according to Regulation (CE) No 1272/2008:**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictogram:**



GHS02

- **Signal word:** Danger
- **Hazard statements**
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
- **Precautionary statements**
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P240 Ground/bond container and receiving equipment.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Labelling of packages where the contents do not exceed 125 ml**
- **Hazard pictogram:**



GHS02

- **Signal word:** Danger
- **Hazard statements:** Void


2.3 Other hazards

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable

SECTION 3. Composition / Information on ingredients

3.2 Chemical characterisation: Mixtures

- **Description:** Mixture of substances listed below with non-hazardous additions.

Dangerous components			
CAS: 64-17-5 EINECS: 200-578-6	ethanol	 Flam. Liq. 2, H225	75-100 %

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

SECTION 4. First aid measures

4.1 Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Rinse out mouth and then drink plenty of water. If symptoms persist, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5. Fire-fighting measures

5.1 Extinguishing media

- **Suitable extinguishing agents:** Water spray, carbon dioxide, fire extinguishing powder, foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

- **Protective equipment:** No special measures required.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not inhale vapours. Wear protective equipment.
Keep unprotected persons away. Keep away from ignition sources.

6.2 Environmental precautions

Do not allow to enter sewers/surface or groundwater.

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 Section 13.
Ensure adequate ventilation.

6.4 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.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

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.

7.2 Conditions for safe storage, including any incompatibilities

- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Storage between 10°C and 25°C.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well-sealed receptacles.
Storage class: 3A

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

SECTION 8. Exposure controls / Personal protection

- **Additional information about design of technical facilities**

No further data; see Section 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
64-17-5 ethanol	
WEL	Long-term value: 1920 mg/m ³ , 1000 ppm

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

8.2 Exposure controls

- **Personal protective equipment**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:** Protective gloves
- **Material of gloves:** Butyl rubber, BR
- **Penetration time of glove material:** 0.1-0.2 mm. Penetration time: 5 min.
- **Eye protection:** Safety glasses

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- **General information**
- **Appearance**
Form: Fluid
Colour: Colourless
- **Odour:** Alcohol-like

- **Odour threshold:** Not determined
- **pH value:** Not determined
- **Change in condition**
 - **Melting point/melting range:** -114.5°C
 - **Boiling point/boiling range:** 78°C
- **Flash point:** 13°C
- **Flammability (solid, gaseous):** Not applicable
- **Ignition temperature:** 425°C
- **Decomposition temperature:** Not determined
- **Auto-ignition temperature:** Product is not self-igniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Explosion limits:**
 - **lower:** 3.5 Vol %
 - **upper:** 15 Vol %
- **Vapour pressure at 20°C:** 59 hPa
- **Density at 20°C:** 0.79 g/cm³
- **Relative density:** Not determined
- **Vapour density:** Not determined
- **Evaporation rate:** Not determined
- **Solubility in / Miscibility with water at 20°C:** 1 g/l
- **Partition coefficient (n-octanol/water):** Not determined
- **Viscosity:**
 - **dynamic:** Not determined
 - **kinematic:** Not determined

9.2 Other information: No further relevant information available.

SECTION 10. Stability and reactivity

10.1 Reactivity: No further relevant information available

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**

Ethanol	LD-50 oral	10,470 mg/kg (rat)	OECD 401
	LC-50 inhalativ	117 mg/l (rat)	OECD 402
- **Primary irritant effect:**
- **Skin corrosion / irritation:** Drying out of skin possible.
- **Serious eye damage / Eye 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.
- **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:** 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.

SECTION 12. Ecological information

12.1 Toxicity

- **Aquatic toxicity:** No further relevant information available.

12.2 Persistence and degradability:

- **Other information:** The product is biodegradable.

12.3 Bioaccumulative potential:

No further relevant information available.

12.4 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 groundwater, water course or sewage system.

12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable
- **vPvB:** Not applicable

12.6 Other adverse effects:

No further relevant information available.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

- **Recommendation:**

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

Must not be disposed of together with household waste. Do not allow product to reach sewage systems.

- **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.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14. Transport information

14.1 UN-Number

- **ADR, IMDG, IATA** UN1170

14.2 UN proper shipping name

- **ADR** 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
- **IMDG** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
- **IATA** ETHANOL SOLUTION

14.3 Transport hazard class(es)

- ADR



Class: 3 (F1) Flammable liquids
Label: 3

- IMDG, IATA



Class: 3 Flammable liquids
Label: 3

14.4 Packing group

- ADR, IMDG, IATA II

14.5 Environmental hazards

- Marine pollutant: No

14.6 Special precautions for user

- Warning: Flammable liquids
- Danger code (Kemler): 33
- EMS Number: F-E, S-D
- Stowage Category: A

14.7 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: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
Transport category 2
Tunnel restriction code D/E

IMDG

Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation"

UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

SECTION 15. Regulatory information

15.1 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:** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements:** 50,000 t
- **Regulation (EC) No. 1907/2006 ANNEX XVII:** Conditions of restriction: 3

- **National regulations**

- **Technical instructions (air):**

Class	Share in %
NK	75-100

- **Water hazard class:** Water hazard class 1 (self-assessment): slightly hazardous for water

15.2 Chemical safety assessment: A chemical safety assessment has not been carried out.

SECTION 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.

- **Relevant phrases**

H225 Highly flammable liquid and vapour.

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2