

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

1.1 Product identifier

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 / 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

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 (EC) No 1272/2008:

The product is classified and labelled according to the CLP Regulation

Hazard pictograms



GHS02

Signal word: Danger

Hazard statements

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 pictograms



GHS02

Signal word: Danger

Hazard statements: Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

3. Composition/information on ingredients

3.1 Chemical characterization: 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.

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 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

5. Firefighting 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.

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 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. 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.

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

8. Exposure controls/personal protection

Additional information about design of technical facilities: No further data, see item 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 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

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

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
Self-igniting	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/cm ³
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
cinematic	Not determined

9.2 Other information

No further relevant information available

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 hazardous 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.

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

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: 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

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and biodegradability: No further relevant information available.

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 ground water, 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.

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 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.

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

14. Transport information

14.1 UN number

ADR, IMDG, IATA

UN1170

14.2 UN proper shipping name

ADR
IMDG
IATA

1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Ethanol solutions

14.3 Transport hazard class(es)

ADR



Class:
Label:

3 (F1) Flammable liquids
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

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

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.

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, Hazard Category 2