

Material Safety Data Sheet

IDENTITY (As Used on Label and List)

KETAC-FIL PLUS APLICAP liquid

Section I

Manufacturer's Name

ESPE Dental AG

Address (Number, Street, City, State, and ZIP Code)

D-82229 Seefeld/Oberbay., Germany

USA: **ESPE America, Inc.**

P.O. Box 111

Norristown, PA 19404

Emergency Telephone Number

1-800-344-8235

Telephone Number for Information

1-800-344-8235

Date Prepared

08/13/98

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<i>Acrylic acid/maleic acid copolymer</i>	NA	NA	NA	30 - 40
<i>Tartaric acid</i>	NA	NA	NA	5 - 10

Section III - Physical/Chemical Characteristics

Boiling Point

212° F

Vapor Pressure (mm Hg)

16 mm Hg at 68° F

Vapor Density (AIR = 1)

Below 1.0

Solubility in Water

Complete

Appearance and Odor

Colorless liquid, slightly acidic odor

Specific Gravity (H₂O = 1)

Above 1.0

Melting Point

32° F

Evaporation Rate

(Butyl Acetate = 1) About 1.0

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

NA

Flammable Limits

NA

LEL

UEL

Extinguishing Media

Sand, CO₂, dry chemical

Special Fire Fighting Procedures

Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

During a fire irritating gases may develop.

Section V - Reactivity Data

Stability Unstable ☐ Conditions to Avoid

Stable ☒

Incompatibility (Materials to Avoid)

None

Hazardous Decomposition or Byproducts

NE

Hazardous May Occur ☐

Polymerization Will not Occur ☒

Conditions to Avoid

Section VI - Health Hazard Data

Route(s) of Entry:

Inhalation?

NA

Skin?

Ingestion?

NE

May inadvertently be possible

Health Hazards (Acute and Chronic)

Contact with eyes causes irritation.

Ingestion may cause local irritation.

Carcinogenicity:

NTP?

NE

IARC Monographs?

NE

OSHA Regulated?

NE

Signs and Symptoms of Exposure

See "Health Hazards"

Medical Conditions Generally Aggravated by Exposure

Unknown

Emergency and First Aid Procedures

Eye contact: Flush promptly with flowing water. If irritation develops, consult a physician.

Skin contact: Wash area with mild soap and water.

Inhalation: NR

Ingestion: Drink plenty of water. If irritation develops, consult a physician.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Absorb with inert material and discard in a suitable container.

Waste Disposal Method

Disposal must be carried out in accordance with federal, state and local regulations.

Precautions to be Taken in Handling and Storing

Do not store above 77° F. Store in a dry area away from foodstuff and beverages.

Other Precautions

Handling of the product exclusively by dental specialists according to the instructions for use.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

NR

Ventilation

Local Exhaust

Special

NR

Mechanical (General)

Other

Protective Gloves

Required

Eye Protection

Safety goggles

Other Protective Clothing of Equipment

NR

Work/Hygienic Practices

Avoid eye and skin contact and ingestion.

Do not eat, drink or smoke when using.

PLEASE
NOTE



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KETAC-FIL PLUS APLICAP liquid

Material Safety Data Sheet

IDENTITY (As Used on Label and List)

KETAC-FIL PLUS APLICAP powder

Section I

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Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
NA				

Section III - Physical/Chemical Characteristics

Boiling Point

NA

Vapor Pressure (mm Hg)

NA

Vapor Density (AIR = 1)

NA

Solubility in Water

Partly soluble

Appearance and Odor

Differently colored, odorless powder

Specific Gravity (H₂O = 1)

Above 1.0

Melting Point

NE

Evaporation Rate

(Butyl Acetate = 1) NA

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

NA

Flammable Limits

NA

LEL

UEL

Extinguishing Media

Sand, CO₂, dry chemical

Special Fire Fighting Procedures

Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

During a fire irritating gases may develop.

Section V - Reactivity Data

Stability Unstable ☐ Conditions to Avoid

Stable ☒

Incompatibility (Materials to Avoid)

None

Hazardous Decomposition or Byproducts

NE

Hazardous May Occur ☐

Conditions to Avoid

Polymerization Will not Occur ☒

Section VI - Health Hazard Data

Route(s) of Entry:

Inhalation?

May be possible

Skin?

Ingestion?

NE

May inadvertently be possible

Health Hazards (Acute and Chronic)

Contact with eyes may cause irritation due to foreign body reaction.

Carcinogenicity:

NTP?

NA

IARC Monographs?

NA

OSHA Regulated?

NA

Signs and Symptoms of Exposure

See "Health Hazards"

Medical Conditions Generally Aggravated by Exposure

Unknown

Emergency and First Aid Procedures

Eye contact: Flush promptly with flowing water. If irritation develops, consult a physician.

Skin contact: Wash area with mild soap and water.

Inhalation: NR

Ingestion: Drink plenty of water.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Scoop up and discard in a suitable container.

Waste Disposal Method

Disposal must be carried out in accordance with federal, state and local regulations.

Precautions to be Taken in Handling and Storing

Do not store above 77° F. Store in a dry area away from foodstuff and beverages.

Other Precautions

Handling of the product exclusively by dental specialists according to the instructions for use.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

NR

Ventilation

Local Exhaust

Special

NR

Mechanical (General)

Other

Protective Gloves

NR

Eye Protection

Safety goggles

Other Protective Clothing of Equipment

NR

Work/Hygienic Practices

Avoid eye contact and ingestion.

Do not eat, drink or smoke when using.

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KETAC-FIL APLICAP PLUS powder