Material Safety Data Sheet

IDENTITY (As Used on Label and List)
PERMADYNE low/high viscosity, PERMADYNE GARANT 2:1, PERMADYNE PENTA L/H base pastes

Section I
Manufacturer's Name
ESPE Dental-Medizin GmbH & Co. KG
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
12/01/97

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))

OSHA PEL
ACGIH TLV
Recommended
% (optional)

NA

Section III - Physical/Chemical Characteristics

Boiling Point
NA

Vapor Pressure (mm Hg)
NA

Vapor Density (AIR = 1)
NA

Solubility in Water
Insoluble

Appearance and Odor
Differently colored pastes, characteristic odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)
NA

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

Stable

Incompatibility (Materials to Avoid)
None

Hazardous Decomposition or Byproducts
NE

Hazardous
May Occur

Polymerization
Will not Occur

Conditions to Avoid

Very high temperatures
Section VI - Health Hazard Data

Route(s) of Entry:
Inhalation? NA
Skin? Ingestion? May inadvertently be possible
NE Health Hazards (Acute and Chronic)

Allergic reactions cannot be totally excluded.
Contact with eyes may cause irritation due to foreign body reaction.
Ingestion may cause local irritation.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?
NE NE 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: NA
Ingestion: After ingestion of small quantities administer activated charcoal and sodium sulfate.
After ingestion of larger quantities induce vomiting, consult a physician.

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 foodstuffs 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 This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of ESPE Germany. The data on this sheet relates only to the specific material designated herein. ESPE Germany assumes no legal responsibility for use or reliance upon this data.

PERMADYNE baste pastes
Material Safety Data Sheet

IDENTITY (As Used on Label and List)
PERMADYNE low/high viscosity, PERMADYNE GARANT 2:1, PERMADYNE PENTA L/H catalysts

Section I
Manufacturer's Name
ESPE Dental-Medizin GmbH & Co. KG
Address (Number, Street, City, State, and Zip Code)
D-82229 Seefeld/Oberbay., Germany
USA
ESPE America, Inc.
P.O. Box 111
Norristown, PA 19404

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12/01/97
Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information
Hazardous Components (Specific Chemical Identity; Common Name(s))
OSHA PEL
ACGIH TLV
Recommended
% (optional)
NA

Section III - Physical/Chemical Characteristics
Boiling Point
NA
Vapor Pressure (mm Hg)
NA
Vapor Density (AIR = 1)
NA
Solubility in Water
Insoluble
Appearance and Odor
Differently colored pastes, characteristic odor

Section IV - Fire and Explosion Hazard Data
Flash Point (Method Used)
NA
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
Stable
Incompatibility (Materials to Avoid)
None
Hazardous Decomposition or Byproducts
NE
Hazardous May Occur
Polymerization Will not Occur
Conditions to Avoid
Very high temperatures
Section VI - Health Hazard Data

Route(s) of Entry: Inhalation?
NA

Skin?
Ingestion?
May inadvertently be possible

Health Hazards (Acute and Chronic)

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

Ingestion:
After ingestion of small quantities administer activated charcoal and sodium sulfate.

After ingestion of larger quantities induce vomiting, consult a physician.

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 and skin contact and ingestion.
Do not eat, drink or smoke when using.

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PERMADYNE catalysts