


Material Safety Data Sheet

IDENTITY (As Used on Label and List)			
<i>DIMENSION PENTA H / DIMENSION PENTA H QUICK base paste</i>			
Section I			
Manufacturer's Name <i>ESPE Dental AG</i> Address (Number, Street, City, State and ZIP Code) <i>D-82229 Seefeld/Oberbay., Germany</i> USA: <i>ESPE America, Inc.</i> <i>P.O. Box 2000</i> <i>Plymouth Meeting, PA 19462</i>		Emergency Telephone Number <i>1-800-344-8235</i> Telephone Number for Information <i>1-800-344-8235</i> Date Prepared <i>10/15/99</i> Signature of Preparer (optional)	
Section II - Hazardous Ingredients/Identity Information			
Hazardous Components (Specific Chemical Identity; Common Name(s)) <i>NA</i>		OSHA PEL <i>NA</i>	ACGIH TLV <i>NA</i>
		Other Limits Recommended % (optional)	
Section III - Physical/Chemical Characteristics			
Boiling Point <i>NA</i>		Specific Gravity (H ₂ O = 1) <i>Above 1.0</i>	
Vapor Pressure (mm Hg) <i>NA</i>		Melting Point <i>NE</i>	
Vapor Density (AIR = 1) <i>NA</i>		Evaporation Rate (Butyl Acetate = 1) <i>NA</i>	
Solubility in Water <i>Insoluble</i>			
Appearance and Odor <i>Green pastes, slight, characteristic odor</i>			
Section IV - Fire and Explosion Hazard Data			
Flash Point (Method Used) <i>NA</i>		Flammable Limits <i>NA</i>	LEL UEL
Extinguishing Media <i>Sand, CO₂, dry chemical</i>			
Special Fire Fighting Procedures <i>Fire fighters should wear full protective clothing including a self-contained breathing apparatus.</i>			
Unusual Fire and Explosion Hazards <i>During a fire irritating gases may develop.</i>			
Section V - Reactivity Data			
Stability Unstable <input type="checkbox"/> Stable <input type="checkbox"/>	Conditions to Avoid <i>Very high temperatures</i>		
Incompatibility (Materials to Avoid) <i>None</i>			
Hazardous Decomposition or Byproducts <i>NE</i>			
Hazardous Polymerization	May Occur <input type="checkbox"/> Will not occur <input type="checkbox"/>		
Conditions to Avoid			

Section VI - Health Hazard Data			
Route(s) of Entry:		Inhalation? NA	
Skin? NE		Ingestion? May inadvertently be possible	
Health Hazards (Acute and Chronic) Contact with eyes causes irritation due to foreign body reaction.			
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 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 NR	Local Exhaust	Special	
	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. Observe normal care when working with chemicals. 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.	

Material Safety Data Sheet

IDENTITY (As Used on Label and List)			
<i>DIMENSION PENTA H / DIMENSION PENTA H QUICK catalyst</i>			
Section I			
Manufacturer's Name <i>ESPE Dental AG</i> Address (Number, Street, City, State and ZIP Code) <i>D-82229 Seefeld/Oberbay., Germany</i> USA: <i>ESPE America, Inc.</i> <i>P.O. Box 2000</i> <i>Plymouth Meeting, PA 19462</i>		Emergency Telephone Number <i>1-800-344-8235</i> Telephone Number for Information <i>1-800-344-8235</i> Date Prepared <i>10/15/99</i> Signature of Preparer (optional)	
Section II - Hazardous Ingredients/Identity Information			
Hazardous Components (Specific Chemical Identity; Common Name(s))		OSHA PEL	ACGIH TLV
NA		Other Limits Recommended	% (optional)
Section III - Physical/Chemical Characteristics			
Boiling Point NA		Specific Gravity (H ₂ O = 1) Above 1.0	
Vapor Pressure (mm Hg) NA		Melting Point NE	
Vapor Density (AIR = 1) NA		Evaporation Rate (Butyl Acetate = 1) NA	
Solubility in Water Insoluble			
Appearance and Odor Differently colored pastes, slight, characteristic odor			
Section IV - Fire and Explosion Hazard Data			
Flash Point (Method Used) NA		Flammable Limits NA	LEL UEL
Extinguishing Media Sand, CO ₂ , 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 <input type="checkbox"/>	Conditions to Avoid Very high temperatures	
	Stable <input type="checkbox"/>		
Incompatibility (Materials to Avoid) None			
Hazardous Decomposition or Byproducts NE			
Hazardous	May Occur <input type="checkbox"/>	Conditions to Avoid	
Polymerization	Will not occur <input type="checkbox"/>		

Section VI - Health Hazard Data

Route(s) of Entry:		Inhalation? <i>NA</i>	
Skin? <i>NE</i>		Ingestion? <i>May inadvertently be possible</i>	
Health Hazards (Acute and Chronic) <i>Contact with eyes causes irritation due to foreign body reaction.</i>			
Carcinogenicity:	NTP? <i>NE</i>	IARC Monographs? <i>NE</i>	OSHA Regulated? <i>NE</i>
Signs and Symptoms of Exposure <i>See "Health Hazards"</i>			
Medical Conditions Generally Aggravated by Exposure <i>Unknown</i>			
Emergency and First Aid Procedures <i>Eye contact: Flush promptly with flowing water. If irritation develops, consult a physician.</i> <i>Skin contact: Wash area with mild soap and water.</i> <i>Inhalation: NA</i> <i>Ingestion: After ingestion of small quantities administer activated charcoal and sodium sulfate.</i> <i>After ingestion of larger quantities induce vomiting. Consult a physician.</i>			

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled <i>Scoop up and discard in a suitable container.</i>	
Waste Disposal Method <i>Disposal must be carried out in accordance with federal, state and local regulations.</i>	
Precautions to be Taken in Handling and Storing <i>Do not store above 77° F. Store in a dry area away from foodstuffs and beverages.</i>	
Other Precautions <i>Handling of the product exclusively by dental specialists according to the instructions for use.</i>	

Section VIII - Control Measures

Respiratory Protection (Specify Type) <i>NR</i>		
Ventilation <i>NR</i>	Local Exhaust	Special
	Mechanical (General)	Other
Protective Gloves <i>NR</i>		Eye Protection <i>Safety goggles</i>
Other Protective Clothing of Equipment <i>NR</i>		
Work/Hygienic Practices <i>Avoid eye and skin contact and ingestion.</i> <i>Observe normal care when working with chemicals.</i> <i>Do not eat, drink or smoke when using.</i>		

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NOTE**

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DIMENSION PENTA H / DIMENSION PENTA H QUICK catalyst

Material Safety Data Sheet

IDENTITY (As Used on Label and List)				
POLYVINYL SILOXANE ADHESIVE				
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 2000 Plymouth Meeting, PA 19462			Emergency Telephone Number 1-800-344-8235 Telephone Number for Information 1-800-344-8235 Date Prepared 10/15/99 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>Ethyl acetate</i>	400 ppm	400 ppm		70 - 80
Section III - Physical/Chemical Characteristics				
Boiling Point 169° F		Specific Gravity (H ₂ O = 1) About 1.0		
Vapor Pressure (mm Hg) 131 mm Hg at 68° F		Melting Point NE		
Vapor Density (AIR = 1) Above 1.0		Evaporation Rate (Butyl Acetate = 1) Above 1.0		
Solubility in Water Insoluble				
Appearance and Odor Viscous, orange liquid, characteristic odor (organic solvents)				
Section IV – Fire and Explosion Hazard Data				
Flash Point (Method Used) 25° F		Flammable Limits at 77° F	LEL 1.2	UEL 11.5
Extinguishing Media Sprinkle water, dry chemical, CO₂, foam				
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 <input type="checkbox"/>	Conditions to Avoid Always avoid open containers, keep containers away from heat sources and open flames.		
	Stable <input type="checkbox"/>			
Incompatibility (Materials to Avoid) None				
Hazardous Decomposition or Byproducts NE				
Hazardous	May Occur <input type="checkbox"/>	Conditions to Avoid		
Polymerization	Will not occur <input type="checkbox"/>			

Section VI - Health Hazard Data			
Route(s) of Entry:		Inhalation? <i>May be possible</i>	
Skin? <i>May be possible</i>		Ingestion? <i>May inadvertently be possible</i>	
Health Hazards (Acute and Chronic) <i>Inhalation may cause irritation of the respiratory tract, excessive exposure causes dizziness up to unconsciousness.</i> <i>Contact with eyes may cause irritation.</i> <i>Contact with skin may cause irritation.</i> <i>May be absorbed by skin.</i> <i>Ingestion may cause stomach-ache, nausea and vomiting.</i> <i>Excessive exposure during a long period may cause liver and kidney damages.</i>			
Carcinogenicity: <i>Ethyl acetate</i>	NTP? <i>X</i>	IARC Monographs? <i>NE</i>	OSHA Regulated? <i>X</i>
Signs and Symptoms of Exposure <i>See "Health Hazards"</i>			
Medical Conditions Generally Aggravated by Exposure <i>Unknown</i>			
Emergency and First Aid Procedures <i>Eye contact: Flush promptly with flowing water. If irritation develops, consult a physician.</i> <i>Skin contact: Wash area with mild soap and water. If rash results, consult a physician.</i> <i>Inhalation: Supply fresh air, if required oxygen, consult a physician.</i> <i>Ingestion: Promptly consult a physician.</i>			
Section VII – Precautions for Safe Handling and Use			
Steps to be Taken in Case Material is Released or Spilled <i>Absorb with inert material and discard in a closed container. Remove all sources of ignition and ventilate area.</i>			
Waste Disposal Method <i>Disposal must be carried out in accordance with federal, state and local regulations.</i>			
Precautions to be Taken in Handling and Storing <i>Always close container immediately after use and keep away from heat sources and open flames.</i> <i>Do not store above 77° F. Store in a dry area away from foodstuffs and beverages.</i>			
Other Precautions <i>Handling of the product exclusively by dental specialists according to the instructions for use.</i>			
Section VIII – Control Measures			
Respiratory Protection (Specify Type) <i>NR due to small quantities applied</i>			
Ventilation <i>NR due to small quantities applied</i>	Local Exhaust	Special	
	Mechanical (General)	Other	
Protective Gloves <i>Required</i>		Eye Protection <i>Safety goggles</i>	
Other Protective Clothing of Equipment <i>NR</i>			
Work/Hygienic Practices <i>Avoid eye and skin contact, inhalation and ingestion.</i> <i>Observe normal care when working with chemicals.</i> <i>Do not eat, drink or smoke when using.</i>			
<div style="display: flex; align-items: center;"> <div style="width: 15%;"> PLEASE NOTE </div> <div style="width: 10%; text-align: center;"> </div> <div style="flex-grow: 1;"> 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. </div> </div>			

POLYVINYL SILOXANE ADHESIVE