# **Material Safety Data Sheet**

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

Section VI - H	lealth Hazard Dat	a				
Route(s) of Entry:  Inhalation?  NA						
			ngestion?		<del></del>	
NE				ertently be possible		
Health Hazards (Ad	cute and Chronic) res causes irritation c	lue to for	reign body	reaction.		
Carcinogenicity:	NTP?			IARC Monographs?	OSHA Regulated?  NE	
Signs and Sympto	ms of Exposure					
See "Health Ha						
Medical Conditions	s Generally Aggravated by	Exposure				
Unknown						
Emergency and Fi	rst Aid Procedures				tt tr	
Eye contact:					ps, consult a physician.	
Skin contact:	Wash area	with mile	d soap and	d water.		
Inhalation:	NA			itis s a dusinistar activat	od charcoal and sodium sulfate	
Ingestion:	After inges	tion of sr	nali quanti	ities administer activat tities induce vomiting.	ed charcoal and sodium sulfate.	
	After inges	tion of la	rger quani	ulles mauce vonilling.	Consult a physician.	
Section VII -	Precautions for S	Safe Ha	ndling a	nd Use		
	n in Case Material is Relea					
Scoop up and	discard in a suitable	containe	er			
Waste Disposal M						
Disposal must	be carried out in acc	ordance	with fede	ral, state and local reg	ulations.	
Precautions to be	Taken in Handling and S	toring				
Do not store a	bove 77° F. Store in	a dry are	ea away fr	om foodstuffs and bev	erages.	
Other Precautions					the the section was	
			al speciali	sts according to the in	structions for use.	
Section VIII	- Control Measure	es	<del></del>			
Respiratory Prote	ction (Specify Type)					
Ventilation	Local Exhaust	Special				
NR						
	Mechanical (General)	Other				
Protective Gloves	3		Eye Protec	etion		
NR Safety gog			Safety go	oggles		
Other Protective	Clothing of Equipment					
Work/Hygienic P	ractices					
	d skin contact and in	gestion.				
1	nal care when workin		nemicals.			
Do not eat, dr	rink or smoke when ι	ising.				owlodes
PLEASE -	of ESPE Ge	rmany. The	e data on thi	at warranty, expressed or in is sheet relates only to the s use or reliance upon this d	oplied, except that it is a accurate to the best kn epecific material designated herein. ESPE Gernata.	nany

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# **Material Safety Data Sheet**

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

Section VI	- Health Hazard D	ata				
Route(s) of Entr	ry:	····	Inhalation?  NA			
Skin?	· · · · · · · · · · · · · · · · · · ·	Ingestion?				
NE			1 "	vertently be possible		
Health Hazards	(Acute and Chronic)					
Contact with	eyes causes irritation	n due to	foreign bod	y reaction.		
Carcinogenicity: NTP?				IARC Monographs?	OSHA Regulated?	
g,	NE			NE	NE	
Signs and Symp	otoms of Exposure			1,45	IVE	
See "Health I						
	ons Generally Aggravated	by Exposi	ıra	<u> </u>		
Unknown	- riggravated	by Expos	niê.			
	First Aid Procedures	<u> </u>				
Eye contact:		mntly wi	th flowing w	ater. If irritation develop	se consult a physician	
Skin contact:			aild soap and		s, consult a priysician.	
Inhalation:	NA NA	a with ii	ma soap aric	i water.		
Ingestion:		stion of	small quanti	ties administer activate	d charcoal and sodium sulfate.	
J				ities induce vomiting. C		
			argor quark	area mades vernang. C	onsuk a priysician.	
Section VII	- Precautions for	Safe H	andling ar	nd Use		
	en in Case Material is Rele			· · · · · · · · · · · · · · · · · · ·		
	d discard in a suitable					
Waste Disposal				· · · · · · · · · · · · · · · · · · ·	The state of the s	
Disposal mus	st be carried out in ac	cordanc	e with feder	al, state and local regul	ations.	
	e Taken in Handling and S					
		_	ea away fro	m foodstuffs and bever	ages.	
Other Precaution						
Handling of th	ne product exclusively	v by den	tal specialis	ts according to the insti	ructions for use	
Section VIII	- Control Measur	es	,		20101101101001	
Respiratory Prote	ection (Specify Type)			A de la constantina della cons	V	
Ventilation	Local Exhaust	Special				
NR						
	Mechanical (General)	Other				
Protective Gloves	s		Eye Protection	on		
NR Safety gogg			Safety gog	igles		
Other Protective	Clothing of Equipment					
Work/Hygienic P	ractices					
Avoid eye and	d skin contact and ing	estion.				
	nal care when working		nemicals.			
	ink or smoke when u					
PLEASE -	of ESPE Ger	many. The	e data on this s	varranty, expressed or implie theet relates only to the spec	d, except that it is a accurate to the best knowledg fic 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)			······································		
POLYVINY	L SILOXANE ADHESIVE					
Section I						
Manufacturer's	s Name		Emergency Telephone	Number		
ESPE Denta	al AG		1-800-344-8235	, 110111001		
Address (Numl	ber, Street, City, State and ZIP Code)		Telephone Number for	r Information		
	eefeld/Oberbay., Germany		1-800-344-8235			
	PE America, Inc.		Date Prepared			
P.C	O. Box 2000		10/15/99			
Ply	mouth Meeting, PA 19462		Signature of Preparer (optional)			
				(= ,		
Section II	<ul> <li>Hazardous Ingredients/Identity Informat</li> </ul>	tion				
				Other Limits		
Hazardous Cor	mponents (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Recommended	% (optional)	
Ethyl acetate	е	400 ppm	400 ppm		70 - 80	
			_			
	- Physical/Chemical Characteristics					
Boiling Point 169° F		I '	Gravity (H <sub>2</sub> O = 1)			
Vapor Pressure	(mm Ha)	About 1 Melting P				
131 mm Hg		NE NE	oint			
Vapor Density (		Evaporati	on Rate			
Above 1.0		(Butyl Ac	Butyl Acetate = 1) Above 1.0			
Solubility in Wa Insoluble						
Appearance and				,		
Section IV	nge liquid, characteristic odor (organic solvents)					
Flash Point (Me	- Fire and Explosion Hazard Data	I			т	
25° F	and Usea)	Flammable at 77° F			UEL 44.5	
Extinguishing M	ledia	al / i F	1.2	<del></del>	11.5	
Sprinkle water	er, dry chemical, CO <sub>2</sub> , foam					
	hting Procedures					
	should wear full protective clothing including a se	elf-contain	ed breathing appar	atus.		
	d Explosion Hazards					
	irritating gases may develop.	_				
Section V -	- Reactivity Data				21.	
Stability Un	Conditions to Avoid					
· L	Always avoid open containers	kaan aant	-i	4	, ,	
	Always avoid open containers, k	keep conta	ainers away irom n	eat sources and	d open flames.	
<del></del>	able and a second and a second and a second a se					
None	Materials to Avoid)					
Hazardous Deco	omposition or Byproducts					
Hazardous	May Occur Conditions to Avoid					
Polymerization	Will not occur					

Section VI - Health Hazard Data

Route(s) of Entry:
Inhalation?
May be possible

Skin?
May be possible

Health Hazards (Acute and Chronic)

Inhalation?
May be possible

Inhalation?
May be possible

May inadvertently be possible

Inhalation may cause irritation of the respiratory tract, excessive exposure causes dizziness up to unconsciousness.

Contact with eyes may cause irritation.

Contact with skin may cause irritation.

May be absorbed by skin.

Ingestion may cause stomach-ache, nausea and vomiting.

Excessive exposure during a long period may cause liver and kidney damages.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated? X NE X

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. If rash results, consult a physician.

Inhalation:

Supply fresh air, if required oxygen, consult a physician.

Ingestion:

Promptly 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 closed container. Remove all sources of ignition and ventilate area.

Waste Disposal Method

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

Precautions to be Taken in Handling and Storing

Always close container immediately after use and keep away from heat sources and open flames.

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 due to small quantities applied

Ventilation

NR due to small

quantities
applied

Local Exhaust
Special
Other

Protective Gloves Eye Protection
Required Safety goggles

Other Protective Clothing of Equipment

NR

Work/Hygienic Practices

Avoid eye and skin contact, inhalation and ingestion.

Observe normal care when working with chemicals.

Do not eat, drink or smoke when using.

PLEASE NOTE



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