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Kit MSDS

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Document id : 16-2795-9      Issue date : 26/04/2005  
Version : 4.00      Supersedes date : 10/02/2005

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1 INFORMATION REGARDING KIT

Dear Customer,

This is the cover sheet for the KIT MSDS.

You will find the document numbers of the MSDS that belong to the kit here on this page.

Tradename:

DIMENSION PENTA H & QUICK GIANT

3M Product ID:

70-2011-2066-7      70-2011-2072-5

Kit Components

16-2793-4      DIMENSION PENTA H & QUICK BASE  
16-2794-2      DIMENSION PENTA H & QUICK CATALYST

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MATERIAL SAFETY DATA SHEET

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Document id : 16-2794-2      Issue date : 14/10/2004  
Version : 2.00      Supersedes date : 29/01/2003

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

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Tradename:

## DIMENSION PENTA H &amp; QUICK CATALYST

3M Product ID:

## 2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
SODIUM ALUMINUM SILICATE	37244-96-5	60 - 70
POLYVINYLSILOXANE	---	10 - 20
POLY(DIMETHYLSILOXANE)	63148-62-9	5 - 10
PLATINUM CATALYST	---	1 - 5
SILANE TREATED SILICA	67762-90-7	1 - 5

## 3 HAZARDS IDENTIFICATION

Critical hazards:  
None.

## 4 FIRST-AID MEASURES

## Eye Contact:

Flush **eyes** with large amounts of water. If signs/symptoms persist, get medical attention.

## Skin Contact:

Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

## Inhalation:

No need for first aid is anticipated.

## Ingestion:

Do not induce vomiting. If signs/symptoms develop, get medical attention.

## 5 FIRE-FIGHTING MEASURES

## Suitable Extinguishing Media:

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

## Hazardous Decomposition:

Carbon monoxide - During Combustion. Carbon dioxide - during combustion. Irritant Vapours or Gases - During Combustion.

## Fire-Fighting Procedures:

Wear full protective equipment and a self-contained breathing apparatus.

## Special Instructions:

Not applicable.

## 6 ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:**

Observe precautions from other sections.

**Methods for Cleaning up:**

Ventilate the area with fresh air. Collect as much of the spilled material as possible. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

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**7 HANDLING AND STORAGE**

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**Incompatible Materials/Conditions:**

Store away from heat. Store out of direct sunlight.

**Precautions for Safe Handling:**

Please observe other sections of this MSDS.

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**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Eye Protection:**

Avoid eye contact. The following should be worn alone or in combination, as appropriate to prevent eye contact: Safety glasses with side shields.

**Skin Protection:**

Gloves not normally required. Avoid prolonged or repeated skin contact.

**Respiratory Protection:**

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

**Ingestion:**

Do not ingest.

**Recommended Ventilation:**

Not applicable.

**Exposure Limits:**

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**9 PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance and Odour:**

Different coloured pastes with a slight characteristic odour

**pH:**

Not applicable

**Boiling point/boiling range:**

Not applicable

Melting point/melting range:	Not determined
Flash point:	Not applicable
Autoflammability:	Not determined
Vapour pressure:	Not applicable
Water Solubility:	Nil
Specific gravity:	Greater than 1 Water=1
Vapour density:	Not applicable
Volatile organic compounds:	Not applicable
Evaporation rate:	Not applicable
Viscosity:	Not determined
Percent Volatile:	Not applicable

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#### 10 STABILITY AND REACTIVITY

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Conditions to Avoid:  
Heat.

Materials to Avoid:  
None known.

Hazardous Decomposition:  
Stable. Hazardous polymerisation will not occur.

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#### 11 TOXICOLOGICAL INFORMATION

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Effects from Eye Contact:  
Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

Effects from Skin Contact:  
Contact with the skin during product use is not expected to result in significant irritation.

Effects from Inhalation:  
No adverse health effects are expected.

Effects from Ingestion:  
Ingestion may cause: Gastrointestinal Irritation:  
Signs/symptoms may include abdominal pain, nausea, diarrhoea and vomiting.

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#### 12 ECOLOGICAL INFORMATION

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Ecotoxicity Data:  
Not determined.

Ecofate Data:

Not determined.

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### 13 DISPOSAL CONSIDERATIONS

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**Product as Sold:**

Dispose of completely cured (or polymerised) wastes in a sanitary landfill. As a disposal alternative, incinerate uncured product in an industrial or commercial incinerator in the presence of a combustible material.

**Special Instructions:**

Since regulations vary, consult applicable regulations or authorities before disposal.

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### 14 TRANSPORT INFORMATION

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**UN NUMBER:**

UN number:

Not restricted for transportation.

**UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:**

Substance Identification Number:

Class:

Packing Group:

Proper Shipping Name:

**ADR/RID CLASSIFICATION:**

Class:

ADR classification:

**ICAO/IATA CLASSIFICATION:**

Class:

Sub-Risk:

Packing Group:

Proper Shipping Name:

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### 15 REGULATORY INFORMATION

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**Disclosable Ingredients:**

No ingredients required on label.

**Symbol(s):**

None.

**Risk Phrases:**

None.

**Safety Phrases:**

Avoid contact with the skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water.

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**16 OTHER INFORMATION**


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**Regulatory Information:**

The following UK Regulations as amended may affect the product as supplied: The Chemicals (Hazard Information and Packaging for supply) Regulations, as amended. The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and use of Transportable Pressure Receptacles Regulations 1996, as amended. Carriage of Dangerous Goods by Road regulations, 1996, as amended. The Petroleum (Consolidation) Act 1928. The Control of Substances Hazardous to Health Regulations 1999 as amended.

The Special Waste Regulations 1996, as amended. The Environmental Protection Act, 1990 The Health and Safety at Work Act, 1974.

**Reissue date/Reason for reissue.**

Updated sections 5, 7, 8, 9, 12, 13, 15

**Intended Use of Product:**

Impressions

**Limitations on Use of Product:**

For use only by dental professionals

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MATERIAL SAFETY DATA SHEET

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Document id : 16-2793-4 Issue date : 14/10/2004  
Version : 2.00 Supersedes date : 21/01/2003

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

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Tradename:  
DIMENSION PENTA H & QUICK BASE

3M Product ID:

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2 COMPOSITION/INFORMATION ON INGREDIENTS

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Ingredient name and classification	CAS number	Percentage
FUSED SILICA	60676-86-0	60 - 75
Regulatory Lists: IARC(Group 2B) NTPCARCIN(Anticipated human carcinogen) IARC(Group 2B) - Category: GLASSWOOL FIBERS (AIRBORNE PARTICLES OF RESPIRABLE SIZE) NTPCARCIN(Anticipated human carcinogen) - Category: GLASSWOOL FIBERS (AIRBORNE PARTICLES OF RESPIRABLE SIZE)		
POLYVINYLSILOXANE	---	15 - 25
POLY(DIMETHYLSILOXANE)	63148-62-9	1 - 10
DIMETHYL METHYL HYDROGEN SILICONE FLUID	68037-59-2	1 - 5
SILANE TREATED SILICA	67762-90-7	1 - 5

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3 HAZARDS IDENTIFICATION

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Critical hazards:  
None.

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4 FIRST-AID MEASURES

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Eye Contact:  
Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Skin Contact:  
Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Inhalation:  
No need for first aid is anticipated.



**Ingestion:**

Do not induce vomiting. If signs/symptoms develop, get medical attention.

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**5 FIRE-FIGHTING MEASURES**

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**Suitable Extinguishing Media:**

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

**Hazardous Decomposition:**

Carbon monoxide - During Combustion. Carbon dioxide - during combustion. Irritant Vapours or Gases - During Combustion.

**Fire-Fighting Procedures:**

Wear full protective equipment and a self-contained breathing apparatus.

**Special Instructions:**

Not applicable.

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**6 ACCIDENTAL RELEASE MEASURES**

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**Personal Precautions:**

Observe precautions from other sections.

**Methods for Cleaning up:**

Ventilate the area with fresh air. Collect as much of the spilled material as possible. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities.

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**7 HANDLING AND STORAGE**

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**Incompatible Materials/Conditions:**

Store away from heat. Store out of direct sunlight.

**Precautions for Safe Handling:**

Please observe other sections of this MSDS.

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**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Eye Protection:**

Avoid eye contact. The following should be worn alone or in combination, as appropriate to prevent eye contact: Safety glasses with side shields.

**Skin Protection:**

Gloves not normally required. Avoid prolonged or repeated skin contact.

**Respiratory Protection:**



Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

**Ingestion:**

Do not ingest.

**Recommended Ventilation:**

Not applicable.

**Exposure Limits:**

FUSED SILICA (60676-86-0)

UK HSE TWA: 0.08 mg/m3 respirable dust OES

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**9 PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance and Odour:**

Green paste with a slight characteristic odour

**pH:**

Not applicable

**Boiling point/boiling range:**

Not applicable

**Melting point/melting range:**

Not determined

**Flash point:**

Not applicable

**Autoflammability:**

Not determined

**Vapour pressure:**

Not applicable

**Water Solubility:**

Nil

**Specific gravity:**

Greater than 1 Water=1

**Vapour density:**

Not applicable

**Volatile organic compounds:**

Not applicable

**Evaporation rate:**

Not applicable

**Viscosity:**

Not determined

**Percent Volatile:**

Not applicable

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**10 STABILITY AND REACTIVITY**

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**Conditions to Avoid:**

Heat.

**Materials to Avoid:**

None known.

**Hazardous Decomposition:**

Stable. Hazardous polymerisation will not occur.

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**11 TOXICOLOGICAL INFORMATION**

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**Effects from Eye Contact:**

Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

**Effects from Skin Contact:**

Contact with the skin during product use is not expected to result in significant irritation.

**Effects from Inhalation:**

No adverse health effects are expected.

**Effects from Ingestion:**

Ingestion may cause: **Gastrointestinal Irritation:**

Signs/symptoms may include abdominal pain, nausea, diarrhoea and vomiting.

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**12 ECOLOGICAL INFORMATION**

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**Ecotoxicity Data:**

Not applicable.

**Ecofate Data:**

Not determined.

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**13 DISPOSAL CONSIDERATIONS**

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**Product as Sold:**

Dispose of completely cured (or polymerised) wastes in a sanitary landfill. As a disposal alternative, incinerate uncured product in an industrial or commercial incinerator in the presence of a combustible material.

**Special Instructions:**

Since regulations vary, consult applicable regulations or authorities before disposal.

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**14 TRANSPORT INFORMATION**

---

**UN NUMBER:**

UN number:

Not restricted for transportation.

**UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:**

Substance Identification Number:

Class:

Packing Group:

Proper Shipping Name:

**ADR/RID CLASSIFICATION:**

Class:

ADR classification:

ICAO/IATA CLASSIFICATION:

Class:

Sub-Risk:

Packing Group:

Proper Shipping Name:

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15 REGULATORY INFORMATION

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Disclosable Ingredients:

No ingredient required on label

Symbol(s):

None.

Risk Phrases:

None.

Safety Phrases:

Avoid contact with the skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water.

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16 OTHER INFORMATION

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Regulatory Information:

The following UK Regulations as amended may affect the product as supplied: The Chemicals (Hazard Information and Packaging for supply) Regulations, as amended. The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and use of Transportable Pressure Receptacles Regulations 1996, as amended. Carriage of Dangerous Goods by Road regulations, 1996, as amended. The Petroleum (Consolidation) Act 1928. The Control of Substances Hazardous to Health Regulations 1999 as amended.

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Impressions

Limitations on Use of Product:  
For use only by dental professionals

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