

3M UK PLC
3M CENTRE, CAIN RD,
BRACKNELL, BERKSHIRE, RG12 8HT
Tel: 01344 858000

3M IRELAND
3M HOUSE, ADELPHI CENTRE,
DUN LAOGHAIRE, CO. DUBLIN
Tel: 01 2803555

Kit MSDS

Document id : 16-2796-7 Issue date : 28/04/2005
Version : 2.00 Supersedes date : 28/04/2005

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:

3M(TM) ESPE(TM) DIMENSION PENTA(TM) H & QUICK STARTER

3M Product ID:

70-2011-2068-3 70-2011-2074-1

Kit Components

16-2786-8	DIMENSION GARANT L & QUICK BASE
16-2788-4	DIMENSION GARANT L & QUICK CATALYST
16-2793-4	DIMENSION PENTA H & QUICK BASE
16-2794-2	DIMENSION PENTA H & QUICK CATALYST
17-9416-3	VPS TRAY ADHESIVE

The information on this Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

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DUN LAOGHAIRE, CO. DUBLIN
Tel: 01 2803555

MATERIAL SAFETY DATA SHEET

Document id : 16-2786-8 Issue date : 14/03/2005
Version : 3.00 Supersedes date : 14/03/2005

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:

DIMENSION GARANT L & QUICK BASE

3M Product ID:

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
POLYVINYLSILOXANE	---	40.0 - 50.0
FUSED SILICA	60676-86-0	30.0 - 40.0
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)		
DIMETHYL METHYL HYDROGEN SILICONE FLUID	68037-59-2	5.0 - 10.0
SILANIZED SILICA	67762-90-7	5.0 - 10.0
POLY(DIMETHYLSILOXANE)	63148-62-9	1.0 - 5.0
SURFACTANT	---	1.0 - 5.0

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:

Remove person to fresh air. If signs/symptoms develop, get medical attention. 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

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. Place in a closed container approved for transportation by appropriate authorities.

7 HANDLING AND STORAGE

Incompatible Materials/Conditions:

Store away from heat. Store out of direct sunlight.

Precautions for Safe Handling:

Please observe other sections of this MSDS.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Pink paste with 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:	> 1 Water=1
Vapour density:	Not applicable
Volatile organic compounds:	Not applicable
Evaporation rate:	Not applicable
Viscosity:	Not determined
Percent Volatile:	Not applicable

10 STABILITY AND REACTIVITY

Conditions to Avoid:
Heat.

Materials to Avoid:
None known.

Hazardous Decomposition:
Stable. Hazardous polymerisation will not occur.

11 TOXICOLOGICAL INFORMATION

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.

12 ECOLOGICAL INFORMATION

Ecotoxicity Data:
Not determined.

Ecofate Data:
Not determined.

13 DISPOSAL CONSIDERATIONS

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.

14 TRANSPORT INFORMATION

UN NUMBER:

UN number: UN1133

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number: UN1133
Class: 3.0
Packing Group: II
Proper Shipping Name: Adhesives

ADR/RID CLASSIFICATION:

Class: 3.0
ADR classification: F1

ICAO/IATA CLASSIFICATION:

Class: 9.0
Sub-Risk: Not applicable
Packing Group: Not applicable
Proper Shipping Name: Consumer commodity

15 REGULATORY INFORMATION

Disclosable Ingredients:

No ingredient required to be disclosed 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.

16 OTHER INFORMATION

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 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.
MSDS reactivated.

Intended Use of Product:
Impressions

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

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reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

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MATERIAL SAFETY DATA SHEET

Document id : 16-2788-4 Issue date : 20/04/2005
Version : 1.00 Supersedes date : ---

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
DIMENSION GARANT L & QUICK CATALYST

3M Product ID:

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
SODIUM ALUMINUM SILICATE	37244-96-5	45 - 55
POLYVINYLSILOXANE	---	40 - 50
SILANE TREATED SILICA	67762-90-7	1 - 5
POLY(DIMETHYLSILOXANE)	63148-62-9	1 - 5

3 HAZARDS IDENTIFICATION

Critical hazards:
Not Applicable

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

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. Place in a closed container approved for transportation by appropriate authorities.

7 HANDLING AND STORAGE

Incompatible Materials/Conditions:

Store away from heat. Store out of direct sunlight.

Precautions for Safe Handling:

Observe precautions from other sections.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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:

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Light pink paste with a 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:	1 Water=1
Vapour density:	Not applicable
Volatile organic compounds:	Not applicable
Evaporation rate:	Not applicable
Viscosity:	Not determined
Percent Volatile:	Not applicable

10 STABILITY AND REACTIVITY

Conditions to Avoid:
Heat

Materials to Avoid:
None known.

Hazardous Decomposition:
Hazardous polymerisation will not occur. Stable.

11 TOXICOLOGICAL INFORMATION

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.

12 ECOLOGICAL INFORMATION

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

13 DISPOSAL CONSIDERATIONS

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.

14 TRANSPORT INFORMATION

UN NUMBER:

UN number:

This product is 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:

15 REGULATORY INFORMATION

Disclosable Ingredients:

No ingredient required on the product 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.

16 OTHER INFORMATION

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 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.

This is a first UK MSDS issue.

Intended Use of Product:

Limitations on Use of Product:

For use only by dental professionals