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BRACKNELL, BERKSHIRE, RG12 8HT  
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Kit MSDS

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Document id : 18-1852-5      Issue date : 02/03/2006  
Version : 4.00      Supersedes date : 11/09/2004

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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:

IMPRINT BITE

3M Product ID:

70-2011-1508-9, 70-2011-1509-7

Kit Components

18-1850-9      IMPRINT BITE BASE PASTE  
18-1851-7      IMPRINT BITE CATALYST PASTE

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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MATERIAL SAFETY DATA SHEET

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Document id : 18-1851-7      Issue date : 02/03/2006  
Version : 3.00      Supersedes date : 14/10/2004

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

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Tradename:  
IMPRINT BITE CATALYST PASTE

3M Product ID:

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## 2 COMPOSITION/INFORMATION ON INGREDIENTS

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Ingredient name and classification	CAS number	Percentage
CRISTOBALITE	14464-46-1	60 - 70
Regulatory Lists: IARC(Group 1) IARC(Group 1) - Category:		
SILICA, CRYSTALLINE (AIRBORNE PARTICLES OF R		
ESPIRABLE SIZE) NTPCARCIN(Known human carcinogen)		
NTPCARCIN(Known human carcinogen) - Category: SILICA,		
CRYSTALLINE (AIR		
BORNE PARTICLES OF RESPIRABLE SIZE)		
EU Hazard Symbols and Risk Phrases: EU - Vendor		
classification (Xn; R:48/20)		
VINYL POLYDIMETHYLSILOXANE	68083-19-2	20 - 30
POLY(DIMETHYLSILOXANE)	63148-62-9	1 - 5
SILANE TREATED SILICA	68611-44-9	1 - 5

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## 3 HAZARDS IDENTIFICATION

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Critical hazards:

Toxic in contact with skin and if swallowed.

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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:

No need for first aid is anticipated.

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## 5 FIRE-FIGHTING MEASURES

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Suitable Extinguishing Media:

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

Exposure Hazards:

Non-flammable: ordinary combustible material.

Hazardous Decomposition:

Carbon monoxide - During Combustion. Carbon dioxide - during combustion.

**Fire-Fighting Procedures:**

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

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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. Contain spill. Collect as much of the spilled material as possible. Clean up residue with an appropriate organic solvent. Read and follow safety precautions on the solvent label and health and safety data sheet. Place in a closed container approved for transportation by appropriate authorities.

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**7 HANDLING AND STORAGE**

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**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:**

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

**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:**

CRISTOBALITE (14464-46-1)

HSE WEL TWA: 0.4 mg/m<sup>3</sup> respirable dust MEL

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**9 PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance and Odour:**

Solid white paste with characteristic odour

**pH:**

Not applicable

Boiling point/boiling range:	Not determined
Melting point/melting range:	Not applicable
Flash point:	Not applicable
Autoflammability:	Not determined
Vapour pressure:	Negligible
Water Solubility:	Negligible
Specific gravity:	1.4 - 1.7
Vapour density:	Not determined
Volatile organic compounds:	Not determined
Evaporation rate:	Nil
Viscosity:	Not determined
Percent Volatile:	Not determined

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#### 10 STABILITY AND REACTIVITY

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##### Materials to Avoid:

None known.

##### Stability and Reactivity:

Hazardous polymerisation will not occur. Stable.

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#### 11 TOXICOLOGICAL INFORMATION

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##### Effects from Eye Contact:

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

##### 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:

No health effects are expected.

##### Other Effects and Information:

This product contains Cristobalite (CASRN 14464-46-1). Cancer of the lungs and silicosis has been associated with cristobalite. No exposure to cristobalite is anticipated during normal intended handling of the paste or cured material and therefore, the health effects associated with cristobalite are not expected during the foreseeable use of this product.

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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:  
Cure (harden, set, or react) the product according to product instructions. 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 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 MSDS

Intended Use of Product:

For use only by dental professionals.

Limitations on Use of Product:

For use only by dental professionals.

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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MATERIAL SAFETY DATA SHEET

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Document id : 18-1850-9      Issue date : 02/03/2006  
Version : 3.00      Supersedes date : 14/10/2004

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

---

Tradename:  
IMPRINT BITE BASE PASTE

3M Product ID:

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2 COMPOSITION/INFORMATION ON INGREDIENTS

---

Ingredient name and classification	CAS number	Percentage
CRISTOBALITE	14464-46-1	60 - 70
Regulatory Lists: IARC(Group 1) IARC(Group 1) - Category:		
SILICA, CRYSTALLINE (AIRBORNE PARTICLES OF R		
ESPIRABLE SIZE) NTPCARCIN(Known human carcinogen)		
NTPCARCIN(Known human carcinogen) - Category: SILICA,		
CRYSTALLINE (AIR		
BORNE PARTICLES OF RESPIRABLE SIZE)		
EU Hazard Symbols and Risk Phrases: EU - Vendor		
classification (Xn; R:48/20)		
VINYL POLYDIMETHYLSILOXANE	68083-19-2	20 - 30
SILANE TREATED SILICA	68611-44-9	5 - 10
DIMETHYL METHYL HYDROGEN SILICONE	68037-59-2	1 - 5
FLUID		
POLY(DIMETHYLSILOXANE)	63148-62-9	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:

No need for first aid is anticipated.

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## 5 FIRE-FIGHTING MEASURES

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Suitable Extinguishing Media:

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

Exposure Hazards:

Non-flammable: ordinary combustible material.

Hazardous Decomposition:

Carbon monoxide - During Combustion. Carbon dioxide - 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. Contain spill. Collect as much of the spilled material as possible. Clean up residue with an appropriate organic solvent. Read and follow safety precautions on the solvent label and health and safety data sheet. Place in a closed container approved for transportation by appropriate authorities.

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## 7 HANDLING AND STORAGE

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Ventilation:

Keep container in a well-ventilated area.

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. 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:**

CRISTOBALITE (14464-46-1)

HSE WEL TWA: 0.4 mg/m3 respirable dust MEL

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9 PHYSICAL AND CHEMICAL PROPERTIES

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Appearance and Odour:	Solid blue paste with a characteristic odour
pH:	Not applicable
Boiling point/boiling range:	Not determined
Melting point/melting range:	Not applicable
Flash point:	Not applicable
Autoflammability:	Not determined
Vapour pressure:	Negligible
Water Solubility:	Negligible
Specific gravity:	1.4 - 1.7
Vapour density:	Not determined
Volatile organic compounds:	Not determined
Evaporation rate:	Nil
Viscosity:	Not determined
Percent Volatile:	Not determined

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10 STABILITY AND REACTIVITY

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**Materials to Avoid:**

None known.

**Stability and Reactivity:**

Hazardous polymerisation will not occur. Stable.

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## 11 TOXICOLOGICAL INFORMATION

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**Effects from Eye Contact:**

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

**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:**

No health effects are expected.

**Other Effects and Information:**

This product contains Cristobalite (CASRN 14464-46-1). Cancer of the lungs and silicosis has been associated with cristobalite. No exposure to cristobalite is anticipated during normal intended handling of the paste or cured material and therefore, the health effects associated with cristobalite are not expected during the foreseeable use of this product.

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## 12 ECOLOGICAL INFORMATION

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**Ecotoxicity Data:**

Not determined.

**Ecofate Data:**

Not determined.

**Special statements for 2001/58/EC:**

A conservative assessment indicates this product presents a low environmental risk because use and disposal are unlikely to result in the significant release of components to the environment.

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## 13 DISPOSAL CONSIDERATIONS

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**Product as Sold:**

Cure (harden, set, or react) the product according to product instructions. 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 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 MSDS

Intended Use of Product:  
Impressions.

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

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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