3M

3M Health Care Ltd Goods Receiving 3M House 1 Morley Street LOUGHBOROUGH Leicestershire LE11 1EP UNITED KINGDOM

Material Safety Data Sheet

MSDS ID SUPERSEDES DATE

16-5765-9 RELEASE DATE: 11/11/04 VERSION : 02.02

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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:

POSITION PENTA

3M Product ID:

70-2011-0653-4 70-2011-1312-6 70-2011-1594-9

Kit Components

16-5763-4 3M(TM) ESPE(TM) POSITION PENTA(TM) BASE 16-5764-2 3M(TM) ESPE(TM) POSITION PENTA(TM) CATALYST MSDS ID 16-5765-9 RELEASE DATE: 11/11/04 VERSION SUPERSEDES DATE PRINTED : 02.02 2 OF POSITION PENTA 16-5763-43M(TM) ESPE(TM) POSITION PENTA(TM) BASE 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION Tradename: 3M(TM) ESPE(TM) POSITION PENTA(TM) BASE 3M Product ID: 2 COMPOSITION/INFORMATION ON INGREDIENTS Ingredient name and classification CAS number The pane the second 60676-86-0 FUSED SILICA 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) 10 - 2063148-62-9 POLY (DIMETHYLSILOXANE) 10 - 20 68855-54-9 POLYVINYLSILOXANE 10 - 20 DIATOMACEOUS EARTH Regulatory Lists: IARC(Group 1) - Category: SILICA, CRYSTALLINE (AIRBORNE PARTICLES OF RESPIRABLE SIZE) NTPCARCIN(Known human carcinogen) - Category: SILICA, CRYSTALLINE (AIRBORNE PARTICLES OF RESPIRABLE SIZE) 67762-90-7 SILANE TREATED SILICA 1 - 5 HYDROGEN POLYSILOXANE

3 HAZARDS IDENTIFICATION

Critical hazards:



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4 FIRST-AID MEASURES

Eve 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:

If signs/symptoms develop, get medical attention. No need for first aid is anticipated.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

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

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. 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

Special Instructions: Not applicable.

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

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.

FUSED SILICA (60676-86-0)

Exposure Limits: UK HSE TWA: 0.08 mg/m3 respirable dust OES POLY (DIMETHYLSILOXANE) (63148-62-9)

Exposure Limits: POLYVINYLSILOXANE (---)

Exposure Limits: DIATOMACEOUS EARTH (68855-54-9)

Exposure Limits: UK HSE TWA: 1.2 mg/m3

SILANE TREATED SILICA (67762-90-7)



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Exposure Limits:
HYDROGEN POLYSILOXANE (---)
Exposure Limits:

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Blue paste with slight characteristic odour.

pH: Not determined

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:

Vapour density: Not applicable

Volatile organic compounds: Not applicable

Evaporation rate: Not applicable

Viscosity: 40000 -150000 centipoise

Percent Volatile: Not applicable

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10 STABILITY AND REACTIVITY

Conditions to Avoid: Heat.

Materials to Avoid: None known.

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

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.

Special statements for 2001/58/EC: A conservative assessment indicates this product presents a low environmental risk. Components released to the environment



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through use and disposal are expected to have minimal environmental impact.

13 DISPOSAL CONSIDERATIONS

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 statements for 2001/58/EC:

A conservative assessment indicates this product presents a low environmental risk. Components released to the environment through use and disposal are expected to have minimal environmental impact.

Special Instructions:

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

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:

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ADR classification:

ICAO/IATA CLASSIFICATION:

Class:

Sub-Risk:

Packing Group:

Proper Shipping Name:

15 REGULATORY INFORMATION

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.

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



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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. Removed stock number

Intended Use of Product: Impressions.

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

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POSITION PENTA			
16-5764-23M(TM) E	SPE (TM) POSITION PENT	A (TM) CATALYST	
1 I	DENTIFICATION OF THE	SUBSTANCE/PREPARAT	ION
Tradename: 3M(TM) ESPE	(TM) POSITION PENTA(T	M) CATALYST	10
3M Product ID:			- X
2	COMPOSITION/INFORMAT	TION ON INGREDIENTS	
Transdient name	and classification	CAS number	Percentage
SODIUM ALUMINUM SILICATE		37244-96-5	60 - 75
VINYLPOLYSILOX/	ANE		10 - 20
PLATINUM CATALY	YST IN SILICON OIL		1 - 10
POLY (DIMETHYLS:	ILOXANE)	63148-62-9	5 - 10 1 - 5
SILANE TREATED SILICA		67762-90-7	
	3 HAZARDS IDE	NTIFICATION	
Critical hazar	ds:		
None.			
	4 FIRST-AID	MEASURES	
Eye Contact:	with large amounts of	f water If signs/	symptoms
Flush eyes persist, 9	et medical attention.	or water. It signs,	J.M
Skin Contact: Wash affect develop, 9	eted area with soap arget medical attention.	nd water. If signs/	symptoms
Composition and Composition			
Inhalation: No need for	or first aid is antic	ipated.	75
			. 1
Ingestion:			ontion Give
Do not inc	duce vomiting. Get im	mediate medical att	encion. Sive



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victim two glasses of water. Never give anything by mouth to an unconscious person.

5 FIRE-FIGHTING MEASURES

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.

Fire-Fighting Procedures:

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

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. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities.

7 HANDLING AND STORAGE

Precautions for Safe Handling:

Please observe precautions from other sections of this MSDS.

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POSITION PENTA

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:

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.

SODIUM ALUMINUM SILICATE (37244-96-5)

Exposure Limits:

VINYLPOLYSILOXANE (---) Exposure Limits:

PLATINUM CATALYST IN SILICON OIL (---)

Exposure Limits:

POLY (DIMETHYLSILOXANE) (63148-62-9)

Exposure Limits:

SILANE TREATED SILICA (67762-90-7)

Exposure Limits:

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:

Red paste with slight

charactertistic odour.

pH:

Not applicable

Boiling point/boiling range:

Not applicable

Melting point/melting range:

Not determined



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Flash point: Not applicable

Autoflammability: Not determined

Vapour pressure: Not applicable

Water Solubility: Nil

Specific gravity: 1

Vapour density: Not applicable

Volatile organic compounds: Not applicable

Evaporation rate: Not applicable

Viscosity: 40000 -150000 centipoise

Percent Volatile: Not applicable

10 STABILITY AND REACTIVITY

Conditions to Avoid: Heat.

Materials to Avoid: None known.

Hazardous Decomposition:

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

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POSITION PENTA

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.

Special statements for 2001/58/EC:

A conservative assessment indicates this product presents a low environmental risk. Components released to the environment through use and disposal are expected to have minimal environmental impact.



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POSITION PENTA

13 DISPOSAL CONSIDERATIONS

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Special Instructions:

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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:

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ICAO/IATA CLASSIFICATION:

Class:

Sub-Risk:

Packing Group:

Proper Shipping Name:

15 REGULATORY INFORMATION

Disclosable Ingredients: None.

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:

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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.
Removed stock number

Intended Use of Product: Impressions

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

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POSITION PENTA

Product List

3M Stock Number : 70-2011-1594-9

29012 Position Penta Refill

Pack

Customer Part Nbr: ICE310

3M Stock Number : 70-2011-1312-6

29034 POSITION PENTA/POSITION

TRAY INTRO KIT

Customer Part Nbr: ICE305

29032 Position Penta Intro Kit Transport Info. : PLEASE SEE SECTION 14: TRANSPORT INFORMATION