BRACKNELL, BERKSHIRE, RG12 8HT

DUBLIN

Tel: 01344 858000

DUN LAOGHAIRE, CO.

Tel: 01 2803555

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13	MATERIAL	SAFETY	DATA SHEET		8

107500-50-1000-F-000 -000-0					
Document id 4/10/2004	: 17-8511-2		Issue date	1	:
Version 6/10/2003	: 3.00		Supersedes	date	:
1	IDENTIFICATION O	F THE	SUBSTANCE/P	REPARAT	ION
Tradename:					
EXPRESS	PENTA H QUICK C	ATALYS	Т		4
3M Product ID:				- 1 s.,	
	4			1	
	COMPOSITION/IN				
ercentage	and classifica	tion	CAS number		
	· · · · · · · · · · · · · · · · · · ·				
SODIUM ALUMINUN	M SILICATE		37244-96	-5	60
POLYVINYLSILOXA	ANE				10
20 POLY (DIMETHYLS)	(LOXANE)		63148-62	-9	
10 SILANE TREATED	F 0		67762-90-		. 1
5			6//02-90		3 2 3
PLATINUM CATAL	(ST	0.00			1
	3 HAZARD	S IDEN	TIFICATION		

Critical hazards:

	4 FIRST-AID MEASURES
	Pura Contact.
	Eye Contact: Get medical attention. Flush eyes with large amounts of
water	
	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. Give victim two glasses of
water	
Get	Never give anything by mouth to an unconscious person.
500	medical attention.
	The second contract of
-	
	5 FIRE-FIGHTING MEASURES
_	J TIME TIGHTING MEGOCES
	••
	a manage and a second s
	Suitable Extinguishing Media:
	Use fire extinguishers with class B extinguishing agents
	(e.g., dry chemical, carbon dioxide).
	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
breath	
	apparatus.
19	
	6 ACCIDENTAL RELEASE MEASURES
	Personal Precautions:

Observe precautions from other sections.

Methods for Cleaning up:

44.	ventilate the area with fresh air. Coffect as much of
the	spilled material as possible. Clean up residue. Collect
the	opilied material as possible. Clean up residue. Correct
	resulting residue containing solution. Place in a closed
	container approved for transportation by appropriate
1	authorities.
	·
	7 UNNOT THE BUD CHODAGE
	7 HANDLING AND STORAGE
Incompa	atible Materials/Conditions:
	Store away from heat. Store out of direct sunlight.
12.000	
Precau	tions for Safe Handling:
	Please observe other sections of this MSDS.
	8 EXPOSURE CONTROLS/PERSONAL PROTECTION
722 723	
Eye Pro	otection:
	Avoid eye contact. The following should be worn alone or
in	combination, as appropriate to prevent eye contact:
Safety	combination, as appropriate to prevent eye contact.
Darecy	glasses with side shields.
Skin P	rotection:
4.44.35.55.5.655394.553	Avoid prolonged or repeated skin contact. Gloves not
normally	
	required. Avoid prolonged or repeated skin contact.
Poenir	atory Protection:
Respir	Under normal use conditions, airborne exposures are not
	expected to be significant enough to require respirator
	protection.
	n 10 10 10 10 10 10 10 10 10 10 10 10 10
Ingest	
	Do not ingest.
Passama	anded Westilation.
Kecomm	ended Ventilation: Not applicable.
	Not applicable.
Exposure	Limits:
	9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:

Solid paste with characteristic odour

Not applicable pH: Boiling point/boiling range: Not applicable Melting point/melting range: Not determined Flash point: Not applicable Not determined Autoflammability: Vapour pressure: Not applicable Water Solubility: Nil Specific gravity: Greater than 1 Vapour density: Not applicable 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: No health effects are expected.

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. 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 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:

				4.1				
	Class:							
	ADR cla	assificatio	n:					
I	CAO/IATA	A CLASSIFIC	ATION:					
	Class:							
	Sub-Ri	sk:						
	Packing	g Group:	60 M					9 9
	Proper	Shipping N	ame:					
	 			GULATORY				
	Disclos	able Ingre	dients:					
	Disclos	sable Ingre No ingredi	dients: nets requi:	red on la	bel.			
		No ingredi		red on la	bel.			
	Disclos Symbol	No ingredi		red on la	bel.			
59 29	Symbol	No ingredi		red on la	bel.			
15 25	Symbol	No ingredi (s): None.		red on la	bel.			
39	Symbol Risk Pl	No ingredi (s): None. hrases: None. Phrases:	nets requi:	* 9		In c	ase of	contact
with	Symbol Risk Pl	No ingredi (s): None. hrases: None. Phrases: Avoid cont.	nets requi:	he skin a	nd eyes.			
with medica	Symbol Risk Ph Safety	No ingredi (s): None. hrases: None. Phrases: Avoid cont. eyes, rins	nets requi: act with the	he skin a ely with p	nd eyes.	f wate	er and	seek
medica	Symbol Risk Ph Safety	No ingredi (s): None. hrases: None. Phrases: Avoid cont. eyes, rins	nets requi:	he skin a ely with p	nd eyes.	f wate	er and	seek
	Symbol Risk Ph Safety	No ingredi (s): None. hrases: None. Phrases: Avoid cont. eyes, rins	act with the immediate	he skin a ely with p	nd eyes.	f wate	er and	seek
medica	Symbol Risk Ph Safety	No ingredi (s): None. hrases: None. Phrases: Avoid cont. eyes, rinse advice. Af	act with the immediate ter contact	he skin a ely with p	nd eyes. plenty o	f wate	er and	seek

Regulatory Information: Regulations

the

Information

supply)

The

Goods

Packaging and

The following UK

as amended may affect

product as supplied: The
Chemicals (Hazard

and Packaging for

Regulations, as amended.

Carriage of Dangerous

(Classification,

Labelling) and use of

1996,

amended.

(Consolidation)

Health

amended.

Regulations

Act,

Safety at

Transportable Pressure Receptacles Regulations

as amended. Carriage of Dangerous Goods by Road regulations, 1996, as

The Petroleum

Act 1928. The Control of Substances Hazardous to

Regulations 1999 as

The Special Waste

1996, as amended. The Environmental Protection

1990 The Health and

Work Act, 1974.

Reissue date/Reason for reissue. Updated sections 5, 9, 13, 15

Intended Use of Product: Impression material.

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

satisfy themselves as to the suitability of the product for their own

intended applications.

3M UK PLC 3M CENTRE, CAIN RD,

CENTRE, BRACKNELL, BERKSHIRE, RG12 8HT

DUBLIN

to

Tel: 01344 858000

3M IRELAND

3M HOUSE, ADELPHI

DUN LAOGHAIRE, CO.

Tel: 01 2803555

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			MATERIAL	SAFETY	DATA SHEET		S 5
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	Document	id	: 17-8518-7	e e	Issue date		
4/10	/2004				issue date		:
4/10	Version /2003		: 2.00		Supersedes	date	
4/10	/2003						
_							
			15-27				
_	J		ENTIFICATION				
	Tradename						
			ENTA H QUICK	BASE			
	2M Deced				08	200	
	3M Produc	t ID:					
-							
	 		COMPOSITATION		TON ON THOR		
<u>-</u>		2	COMPOSITION/I				
		2					
	Ingredien						
Perce	Ingredien						
	ntage 	nt name		ation	CAS number		
	ntage 	nt name	and classific	ation	CAS number		
	ntage FUSED SII	t name	and classific	ation	CAS number	r 	60
- 70	ntage FUSED SII	t name	and classific	ation	CAS number	r 	
	ntage FUSED SII Re	ot name	and classific	eation	CAS number 60676-86	r -0 IN(Anti	60
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- 70 numan	FUSED SII Re ca (A	ICA egulator ercinoge	and classific y Lists: IARC	Group (Caroup Caroup Caro	CAS number 60676-86 2B) NTPCARC Category: GI	r -0 IN(Anti	60 cipated L FIBERS
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- 70 numan	FUSED SII Re CA (A RCIN(Antic	cica egulator ercinoge errang errang errange errange errange errange errang errang errang errang errang errang errang errang errang errang errang errang errang errang errang errang errang errang err	and classific y Lists: IARC n) IARC(Group PARTICLES OF cinogen) - Ca	Group (Carona Carona Ca	CAS number 60676-86 2B) NTPCARC: Category: GI ABLE SIZE)	r -0 IN (Anti LASSWOO	60 cipated L FIBERS (AIRBORNI
- 70 numan	FUSED SII Re CA (A RCIN(Antic	cica egulator ercinoge errang errang errange errange errange errange errang errang errang errang errang errang errang errang errang errang errang errang errang errang errang errang errang errang err	and classific y Lists: IARC n) IARC(Group PARTICLES OF cinogen) - Ca	Group (Carona Carona Ca	CAS number 60676-86 2B) NTPCARC Category: GI	r -0 IN (Anti LASSWOO	60 cipated L FIBERS
- 70 numan NTPCA - 25	FUSED SII Re CA (A RCIN(Antic hu PA POLYVINYI POLY(DIME	cica egulator ercinoge erpated man car ericles ericles	and classific y Lists: IARC n) IARC(Group PARTICLES OF cinogen) - Ca	ation (Group : 2B) - (RESPIRE tegory:	CAS number 60676-86 2B) NTPCARC: Category: GI ABLE SIZE)	r -0 IN (Anti LASSWOO FIBERS	60 cipated L FIBERS (AIRBORNI
- 70 numan NTPCA	FUSED SII Re CA (A RCIN(Antic hu PA POLYVINYI POLY(DIME	cica egulator ercinoge erpated man car ericles ericles	and classific y Lists: IARC n) IARC(Group PARTICLES OF cinogen) - Ca OF RESPIRABLE OXANE)	ation (Group : 2B) - (RESPIRE tegory:	CAS number 60676-86 2B) NTPCARC Category: GI ABLE SIZE) GLASSWOOL 1	r -0 IN (Anti LASSWOO FIBERS	60 cipated L FIBERS (AIRBORNI
- 70 numan NTPCA - 25	FUSED SII Re CA (A RCIN(Antic hu PA POLYVINYI POLY(DIME	egulator arcinoge arc	and classific y Lists: IARC n) IARC(Group PARTICLES OF cinogen) - Ca OF RESPIRABL E OXANE) HYDROGEN SILI	ation (Group : 2B) - (RESPIRE tegory:	CAS number 60676-86 2B) NTPCARC Category: GI ABLE SIZE) GLASSWOOL 1	r -0 IN (Anti LASSWOO FIBERS	60 cipated L FIBERS (AIRBORNI

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.
- 0.0250004640000406000000000000000000000000
<pre>Ingestion: Do not induce vomiting. Give victim two glasses of</pre>
water. Never give anything by mouth to an unconscious person.
Get medical attention.
5 FIRE-FIGHTING MEASURES
Suitable Extinguishing Media:
Use fire extinguishers with class B extinguishing agent (e.g., dry chemical, carbon dioxide).
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.
6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:
Observe precautions from other sections.

Methods for Cleaning up:

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

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:

Avoid prolonged or repeated skin contact. 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

Appearance and Odour:

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:

Greater than 1

Vapour density:

Not applicable

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:

No health effects are expected.

	12 E	COLOGICAL II	NFORMATION
Ecotox	icity Data:		
20000	Not determined.		a at at ay
Ecofat	e Data:		
18	Not determined.		
Specia	l statements for 200		
	A conservative asses	ssment indic	cates this product
presents a			
	low environmental ri environment through	use and dia	nents released to the sposal are expected to
have			
	minimal environmenta	al impact.	4 2 2
	13 010	SPOSAL CONSI	TOPPATIONS
	13 013		
4			F
Produc	t as Sold:		
product	Cure (harden, set, o	or react) th	he product according to
produce	instructions. Dispos	se of comple	etaly cured for
oolymerised)	inotidotadibi biopoi	or compar	ctery cured (or
	wastes in a sanitary	landfill.	As a disposal
alternative,			
12. 17.6	incinerate uncured p	moduct in a	an industrial or
commercial			1 199 97223 27 2 2
	inclnerator in the p	resence of	a combustible material.
Specia	l Instructions:		
0.842.242.2	Since regulations va	ry, consult	t applicable regulations
or			
	authorities before o	ilsposal.	
			~
1000 to 1000 to 1000	14 TF	ANSPORT IN	FORMATION
UN NUMBE	R:		
UN numl	per:		Not restricted for
	(d) (d)		transportation.

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number:

Class:

Packin	g Group:			(5) 11
Proper	Shipping Name:			
1576		2		2
ADR/RID	CLASSIFICATION:		6.0	7
Class:				
ADR cl	assification:			
ICAO/IAT	A CLASSIFICATION:			
Class:				
Sub-Ri	sk:		95. 10	
	g Group:			
Proper	Shipping Name:		2 2 5	
1000.00 - .000.00				
	15 RE	GULATORY INF	ORMATION	
Disclo	sable Ingredients:			2
	No ingredients requi	red on label		
Symbol	(8):	9 9		100
	None.			
Risk P	hrases:		-	
	None.		E E	
Safety	Phrases:			
with	Avoid contact with t	he skin and	eyes. In case	of contact
10 Th Table	eyes, rinse immediat	ely with ple	nty of water	and seek
medical	advice. After contac	t with skin.	wash immedia	tely with
plenty				
	of soap and water.			
	16	OTHER INFORM	ATION	
Regulations	tory Information:		The following	UK
		8.00	as amended ma	y affect
the		20	product as su	mplied: The
Information		4 75	Chemicals (Ha	izard
			and Packaging	for
supply)		1	Regulations,	as amended.
The				

Goods

Packaging and

1996,

amended.

(Consolidation)

Health

amended.

Regulations

Act,

Safety at

Carriage of Dangerous

(Classification,

Labelling) and use of Transportable Pressure Receptacles Regulations

as amended. Carriage of Dangerous Goods by Road regulations, 1996, as

The Petroleum

Act 1928. The Control of Substances Hazardous to

Regulations 1999 as

The Special Waste

1996, as amended. The Environmental Protection

1990 The Health and

Work Act, 1974.

Reissue date/Reason for reissue. Updated sections 5, 9, 13, 15

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

satisfy themselves as to the suitability of the product for their own $% \left(1\right) =\left(1\right) +\left(1$

intended applications.

3M UK PLC

to

3M IRELAND