

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

2. HAZARDS IDENTIFICATION

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Material Safety I					
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MSDS ID	05-7367-5	RELEASE DAT	E: 07/09/	10 VERSION	: 002.00
MSDS ID SUPERSEDES DATE	31/08/10	PRINTED	: 09/09/	10 PAGE	1 OF 12
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3M, and (2) neith					therwise
distributed with	the intenti	on of earning	g a profi	t thereon.	
This Safety Data				dance with	the REACH
Regulation (EC)	.907/2006 an	d its modifi	cations.		
1. IDENTIFICATION					
COMPANY / HNDERTAKT	NG				
1.1 Identification	n of the su	bstance or p	reparatio	n	
5540 3M(tm) ESPE					
3M Product identi					
70 2010 1206 2					
70-2010-1386-2	1 1 70-	2010-1409-2		70-2010-141	
70-2010-1411-8					
					
70-2010-1437-3					1
	121				
1.2 Use of substa	nce/prepara	tion			
Dental product					
1 2 0		tification			
1.3 Company/under	caking iden	tilication			
Address:	3M United K	ingdom PLC,	3M Centre	. Cain Road	
nadicos.		Berkshire, F		, carn noaa	,
E Mail:	tox.uk@mmm.		.012 01		
Website:	www.3M.com/				
		(mace)			
1.4 Emergency tel	ephone numb	er			
+44 (0) 1344 858 (



SUPERSEDES DATE

05-7367-5 RELEASE DATE: 07/09/10 VERSION : 002.00 31/08/10 PRINTED : 09/09/10 PAGE 2 OF 12

5540 3M(tm) ESPE(tm) VALUX PLUS RESTORATIVE

| May cause sensitisation by skin contact.

Other hazards

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Nbr	EU Inventory	% by weight	Classification
Ceramic materials and wares, chemicals, hydrolysis products with 3-(trimethoxysily 1)propyl methacrylate	444758-98- 9 	1	80 - 90 	
2,2'-Ethylenediox ydiethyl dimethacrylate	109-16-0 	EINECS 203-652-6	5 - 10 	R43 (3M)
1-Methylethyliden e)bis[4,1-phenyle neoxy(2-hydroxy-3 ,1-propanediyl)] bismethacrylate	1565-94-2 	EINECS 216-367-7 	5 - 10 	R43 (3M)
2-(2H-Benzotriazo 1-2-y1)-p-cresol	2440-22-4 	EINECS 219-470-5	< 1	R43 (Vendor)

Please see section 16 for the full text of any risk phrases referred to under headings 2 and 3 of this Safety Data Sheet.

4. FIRST AID MEASURES

The following first aid recommendations are based on an assumption



MSDS ID 05-7367-5 RELEASE DATE: 07/09/10 VERSION : 002.00 SUPERSEDES DATE 31/08/10 PRINTED : 09/09/10 PAGE 3 OF 12

5540 3M(tm) ESPE(tm) VALUX PLUS RESTORATIVE

followed.

Inhalation

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

Skin contact

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Eye contact

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

Ingestion

Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

5. FIRE FIGHTING MEASURES

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

Unsuitable extinguishing media

Special exposure hazards No unusual fire or explosion hazards are anticipated.

Special instructions for firefighters Water may be used to blanket the fire. Wear full protective equipment and a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions



MSDS ID 05-7367-5 RELEASE DATE: 07/09/10 VERSION : 002.00 SUPERSEDES DATE 31/08/10 PRINTED : 09/09/10 PAGE 4 OF 12

5540 3M(tm) ESPE(tm) VALUX PLUS RESTORATIVE

spill should be cleaned up by qualified personnel. Ventilate the area with fresh air.

Environmental procedures

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

Methods for cleaning up

Please observe precautions from other sections of this Safety Data Sheet. Collect as much of the spilled material as possible. Clean up residue.

7. HANDLING & STORAGE

7.1 Handling

Avoid eye contact. Avoid skin contact. A no-touch technique is recommended. If skin contact occurs, wash skin with soap and water. Acrylates may penetrate commonly-used gloves. If product contacts glove, remove and discard glove, wash hands immediately with soap and water and then re-glove. Wash hands after handling and before eating.

7.2 Storage

Store in a cool, dry place.

8. E	EXPOSURE	CONTROLS/	PERSONAL	PROTECTION
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8.1 Exposure limit values

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

8.2.1 Occupational exposure controls Not applicable.

Respiratory protection

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



MSDS ID 05-7367-5 RELEASE DATE: 07/09/10 VERSION : 002.00 SUPERSEDES DATE 31/08/10 PRINTED : 09/09/10 PAGE 5 OF 12

5540 3M(tm) ESPE(tm) VALUX PLUS RESTORATIVE

Hand protection

Not determined

Eye/face protection

The following eye protection(s) are recommended: Safety glasses with side shields.

Skin protection Avoid skin contact.

Ingestion

Do not ingest. Wash hands after handling and before eating.

8.2.2 Environmental exposure controls No data available.

9.1 General information		
Physical state	1	Solid.
Specific Physical Form:	ı	Paste
	1	Slight acrylate odor, Tooth colored
9.2 Important health safety	an	d environmental information
		Not applicable.
		Not applicable.
Boiling point/boiling range	1	Not applicable.
Boiling point/boiling range Melting point Flammability (solid, gas)		Not applicable. Not applicable. Not applicable. Not available.
Boiling point/boiling range Melting point Flammability (solid, gas)	1 1	Not applicable. Not applicable. Not applicable. Not available.



	5 RELEASE DATE: 07/09/10 VERSION : 002.00 0 PRINTED : 09/09/10 PAGE 6 OF 12
5540 3M(tm) ESPE(tm) VALUX	
Flammable limits - LEL	
Flammable limits - UEL	Not applicable.
Vapour pressure	. (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Relative density	2.1 [Ref Std:WATER=1]
	Negligible
Partition coefficient: n-octanol/water	
Evaporation rate	No data available.
	Not applicable.
	2.1 g/cm3
9.3 Other information	
Volatile organic compounds (VOC)	No data available.
Percent volatile	Negligible
VOC less H2O & exempt solvents	No data available.

10. STABILITY & REACTIVITY	
Stable. Hazardous polymeri	
10.1 Conditions to avoid None known.	

10.2 Materials to avoid None known.



MSDS ID 05-7367-5 RELEASE DATE: 07/09/10 VERSION : 002.00 SUPERSEDES DATE 31/08/10 PRINTED : 09/09/10 PAGE 7 OF 12

5540 3M(tm) ESPE(tm) VALUX PLUS RESTORATIVE

10.3 Hazardous decomposition products

Substance | Condition

Carbon monoxide. | During combustion.

Carbon dioxide. | During combustion.

11. TOXICOLOGICAL INFORMATION

Inhalation

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

Eye contact

Mild eye irritation: Signs/symptoms may include redness, pain and tearing.

Skin contact

Mild skin irritation: Signs/symptoms may include localised redness, swelling, and itching. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Sensitisation

Ingredient	CAS Nbr	Class description	Regulation
2-(2H-Benzotriazol-2 -yl)-p-cresol	2440-22-4	Sensitiser skin (R43)	Vendor
1-Methylethylidene)b is[4,1-phenyleneoxy(2-hydroxy-3,1-propan ediyl)] bismethacrylate	1565-94-2	Sensitiser skin (R43) 	3M classified
2,2'-Ethylenedioxydi ethyl	109-16 - 0	Sensitiser skin (R43)	3M classified



MSDS ID SUPERSEDES DATE

05-7367-5 RELEASE DATE: 07/09/10 VERSION : 002.00 31/08/10 PRINTED : 09/09/10 PAGE 8 OF 12

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5540 3M(tm) ESPE(tm) VALUX PLUS RESTORATIVE

ECOLOGICAL INFORMATION

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.

12.1 Ecotoxicity

No product test data available. No component test data available.

- 12.2 Mobility Please contact 3M for more details.
- 12.3 Persistence and degradability No test data available.
- 12.4 Bioaccumulative potential No test data available.
- 12.5 Results of PBT assessment No data available at this time, contact 3M for more details.



MSDS ID 05-7367-5 RELEASE DATE: 07/09/10 VERSION : 002.00 SUPERSEDES DATE 31/08/10 PRINTED : 09/09/10 PAGE 9 OF 12

5540 3M(tm) ESPE(tm) VALUX PLUS RESTORATIVE

No information available.

13. DISPOSAL CONSIDERATIONS

Xi | Irritant.

Waste disposal method: Dispose of waste product in a sanitary landfill. Incinerate in an industrial or commercial facility in the presence of a combustible material. As a disposal alternative: Dispose of waste product in a facility permitted to accept chemical waste. As a disposal alternative, incinerate in an industrial or commercial facility.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste

regional regulations are complied with and always use a licensed waste contractor.

EU waste code (product as sold)

180110* | Amalgam waste from dental care

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

14. TRANSPORTATION INFORMATION

Please refer to the end of this document for transportation information.

5. REGULATORY INFORMATION

Symbols



05-7367-5 RELEASE DATE: 07/09/10 VERSION : 002.00 MSDS ID 31/08/10 PRINTED : 09/09/10 PAGE 10 OF 12 SUPERSEDES DATE 5540 3M(tm) ESPE(tm) VALUX PLUS RESTORATIVE 1-Methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate; 2,2'-Ethylenedioxydiethyl dimethacrylate Risk phrases | May cause sensitisation by skin contact. Safety phrases S24 | Avoid contact with skin. | Wear suitable gloves. Special provisions concerning the labelling of certain substances Notes on labelling -----OTHER INFORMATION ------List of relevant R-phrases R43 May cause sensitisation by skin contact.

Restrictions on use For use by dental professionals only.

Global inventory status

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. Contact 3M for more information.

Revision information: Revision Changes:

Section 3: Composition/ Information of ingredients table was modified.



MSDS ID 05-7367-5 RELEASE DATE: 07/09/10 VERSION : 002.00 SUPERSEDES DATE 31/08/10 PRINTED : 09/09/10 PAGE 11 OF 12

5540 3M(tm) ESPE(tm) VALUX PLUS RESTORATIVE

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MSDS ID

SUPERSEDES DATE

05-7367-5 RELEASE DATE: 07/09/10 VERSION : 002.00

31/08/10 PRINTED : 09/09/10 PAGE 12 OF 12

5540 3M(tm) ESPE(tm) VALUX PLUS RESTORATIVE

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ANNEX: Transport information as per paragraph 14 of the MSDS