

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

2. HAZARDS IDENTIFICATION

Material Safety	Data Sheet	
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downloading of t 3M products is a full with no cha 3M, and (2) neit	3M Company. All rights reserved. Copying and/or his information for the purpose of properly utilisi llowed provided that: (1) the information is copied nges unless prior written agreement is obtained from the copy nor the original is resold or otherwise the intention of earning a profit thereon.	l in m
	Sheet has been prepared in accordance with the REA 1907/2006 and its modifications.	CH
COMPANY/UNDERTAK	N OF THE SUBSTANCE/PREPARATION AND OF THE ING	-
1.1 Identificati 5540 3M(tm) ESPE 3M Product ident	on of the substance or preparation (tm) VALUX PLUS RESTORATIVE ification numbers	
	70-2010-1409-2 70-2010-1410-0	
70-2010-1411-8	70-2010-1412-6 70-2010-1413-4	1
70-2010-1437-3	70-2010-2453-9	1
Dental product	ance/preparation	
	rtaking identification	
Address:	3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.	
E Mail:	tox.uk@mmm.com	
Website:	www.3M.com/uk	
1.4 Emergency te +44 (0)1344 858		



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COMPOSITION/INFORMATION ON INGREDIENTS

R43 | May cause sensitisation by skin contact.

Other hazards

Ingredient | CAS Nbr | EU | % by | Inventory | weight | Classification | Inventory | weight | Ceramic | 444758-98- | materials and | 9 | 1 80 - 90 [wares, chemicals, hydrolysis products with 3-(trimethoxysily | 1)propyl methacrylate ______ 2,2'-Ethylenediox | 109-16-0 | EINECS | 5 - 10 | R43 (3M) ydiethyl | 203-652-6 | dimethacrylate | | ______ 1-Methylethyliden | 1565-94-2 | EINECS | 5 - 10 | R43 (3M) e)bis[4,1-phenyle | | 216-367-7 | |

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

2-(2H-Benzotriazo | 2440-22-4 | EINECS | < 1 | R43 (Vendor) | 1-2-yl)-p-cresol | | 219-470-5 | |

1

4. FIRST AID MEASURES

neoxy(2-hydroxy-3 | ,1-propanediy1)] | bismethacrylate |

The following first aid recommendations are based on an assumption



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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



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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.	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.



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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		
9.1 General information		
Physical state	ī	Solid.
Specific Physical Form:		Paste
Appearance/Odour	1	Slight acrylate odor, Tooth colored
9.2 Important health safety	an	d environmental information
		d environmental information Not applicable.
	1	Not applicable.
pH Boiling point/boiling range	1	Not applicable.
pH Boiling point/boiling range Melting point	1	Not applicable. Not applicable. Not applicable.
pH Boiling point/boiling range	1 +	Not applicable. Not applicable. Not applicable. Not applicable.



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Flammable limits - LEL	Not applicable.
Flammable limits - UEL	
	Not applicable.
Relative density	2.1 [Ref Std:WATER=1]
Partition coefficient: n-octanol/water	
Evaporation rate	No data available.
Vapour density	Not applicable.
	2.1 g/cm3
9.3 Other information	
Volatile organic compounds (VOC)	
Percent volatile	
VOC less H2O & exempt solvents	
10. STABILITY & REACTIVITY	
Stable. Hazardous polymeri	
10.1 Conditions to avoid None known.	

10.2 Materials to avoid None known.



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



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12. 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.



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No information available.

13.	DISPOSAL	CONSIDERATIONS

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 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.

15. REGULATORY INFORMATION

Symbols

Xi | Irritant.



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exempt polymers whose monomers are listed on EINECS. Contact 3M for

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

MSDS ID

more information.

Revision information: Revision Changes:



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ANNEX: Transport information as per paragraph 14 of the MSDS