Safety Data Sheet

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Transportation version number: 1.00 (30/11/2010)

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

4920/ 4921 3M™ ESPE™ FILTEK™ SUPREME XTE FLOWABLE RESTORATIVE

Product Identification Numbers

70-2010-7775-0	70-2010-7776-8	70-2010-7777-6	70-2010-7778-4	70-2010-7779-2
70-2010-7780-0	70-2010-7781-8	70-2010-7782-6	70-2010-7783-4	70-2010-7784-2
70-2010-7785-9	70-2010-7786-7	70-2010-7787-5	70-2010-7788-3	70-2010-7789-1
70-2010-7790-9	70-2010-7791-7	70-2010-7792-5	70-2010-7793-3	70-2010-7794-1
70-2010-7795-8	70-2010-7796-6	70-2010-7797-4	70-2010-7798-2	70-2010-7799-0
70-2010-7800-6				

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Dental product

Restrictions on Use

For use only by dental professionals

1.3. Details of the supplier of the safety data sheet

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.
Telephone: +44 (0)1344 858 000
E Mail: tox.uk@mmm.com
Website: www.3M.com/uk

1.4. Emergency telephone number

+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

This product is a medical device as defined in Directive 93/42/EEC (MDD), which is invasive or used in direct physical contact with the human body, and therefore is exempt from the requirements of classification and labelling according to

Regulation (EC) No. 1272/2008 (CLP; Article 1, paragraph 5). Although not required, the classification and label information, as applicable, is provided below.

CLASSIFICATION:
Skin Sensitization, Category 1B - Skin Sens. 1B; H317

For full text of H phrases, see Section 16.

2.2. Label elements
CLP REGULATION (EC) No 1272/2008

SIGNAL WORD
WARNING.

Symbols:
GHS07 (Exclamation mark) |

Pictograms

Ingredients:

Ingredient	CAS Nbr	% by Wt
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	1565-94-2	5 - 10
2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	5 - 10

HAZARD STATEMENTS:

H317	May cause an allergic skin reaction.

PRECAUTIONARY STATEMENTS

Prevention:

P280E	Wear protective gloves.

Response:

P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

2.3. Other hazards

For information on hazards and safe use, please consider the corresponding sections of this document.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Ceramic materials and wares, chemicals, hydrolysis products with 3-(trimethoxysilyl)propyl methacrylate	444758-98-9		50 - 60	
(1-Methylethylidene)bis(4,1-phenyleneoxy-3,1-propanediyl) bismethacrylate (REACH Reg. No.:01-2120102014-82)	27689-12-9	248-607-1	15 - 25	Aquatic Chronic 4, H413 (Self Classified)
(1-methylethylidene)bis[4,1-	1565-94-2	216-367-7	5 - 10	Skin Sens. 1B, H317 (Self

phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate				Classified)
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, hydrolysis products with silica	248596-91-0		5 - 10	
2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6	5 - 10	Skin Sens. 1, H317 (Self Classified)
Ytterbium fluoride (YbF3)	13760-80-0	237-354-2	< 5	

Please see section 16 for the full text of any H statements referred to in this section

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Remove person to fresh air. If you feel unwell, get medical attention.

Skin contact
Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye contact
Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

If swallowed
Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed
See Section 11.1 Information on toxicological effects

4.3. Indication of any immediate medical attention and special treatment required
Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media
In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture
None inherent in this product.

Hazardous Decomposition or By-Products

Substance	Condition
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.

5.3. Advice for fire-fighters
No special protective actions for fire-fighters are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible.

6.4. Reference to other sections
Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling
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. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not get in eyes.

7.2. Conditions for safe storage including any incompatibilities
No special storage requirements.

7.3. Specific end use(s)
See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits
If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Fluorides	13760-80-0	UK HSC	TWA(as F):2.5 mg/m3	

UK HSC : UK Health and Safety Commission
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

Biological limit values
No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

8.2. Exposure controls

8.2.1. Engineering controls
Use in a well-ventilated area.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Safety glasses with side shields.

Skin/hand protection
See Section 7.1 for additional information on skin protection.

Respiratory protection
None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Specific Physical Form:	Paste
Appearance/Odour	Slight acrylate odour, tooth-coloured various shade
Odour threshold	*No data available.*
pH	*Not applicable.*
Boiling point/boiling range	*Not applicable.*
Melting point	*No data available.*
Flammability (solid, gas)	Not classified
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	No flash point
Autoignition temperature	*No data available.*
Flammable Limits(LEL)	*Not applicable.*
Flammable Limits(UEL)	*Not applicable.*
Vapour pressure	*Not applicable.*
Relative density	1.5 [*Ref Std:*WATER=1]
Water solubility	Negligible
Solubility- non-water	*No data available.*
Partition coefficient: n-octanol/water	*Not applicable.*
Evaporation rate	*Not applicable.*
Vapour density	*Not applicable.*
Decomposition temperature	*No data available.*
Viscosity	*No data available.*
Density	1.5 g/cm3

9.2. Other information

Molecular weight	*No data available.*

SECTION 10: Stability and reactivity

10.1 Reactivity
This material is considered to be non reactive under normal use conditions

10.2 Chemical stability
Stable.

10.3 Possibility of hazardous reactions
Hazardous polymerisation will not occur.

10.4 Conditions to avoid
None known.

10.5 Incompatible materials
None known.

10.6 Hazardous decomposition products

Substance	Condition
None known.	

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from 3M assessments.

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation
This product may have a characteristic odour; however, no adverse health effects are anticipated.

Skin contact
Contact with the skin during product use is not expected to result in significant irritation. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eye contact
Moderate eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion
May be harmful if swallowed.
Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

Toxicological Data
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE2,000 - 5,000 mg/kg
Ceramic materials and wares, chemicals, hydrolysis products with 3-(trimethoxysilyl)propyl methacrylate	Dermal		LD50 estimated to be > 5,000 mg/kg
Ceramic materials and wares, chemicals, hydrolysis products with 3-(trimethoxysilyl)propyl methacrylate	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
(1-Methylethylidene)bis(4,1-phenyleneoxy-3,1-propanediyl) bismethacrylate	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg

(1-Methylethylidene)bis(4,1-phenyleneoxy-3,1-propanediyl) bismethacrylate	Ingestion	Rat	LD50 > 17,600 mg/kg
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	Dermal	Professional judgement	LD50 estimated to be 2,000 - 5,000 mg/kg
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, hydrolysis products with silica	Dermal		LD50 estimated to be > 5,000 mg/kg
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, hydrolysis products with silica	Ingestion		LD50 estimated to be > 5,000 mg/kg
2,2'-ethylenedioxydiethyl dimethacrylate	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
2,2'-ethylenedioxydiethyl dimethacrylate	Ingestion	Rat	LD50 10,837 mg/kg
Ytterbium fluoride (YbF3)	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
Ytterbium fluoride (YbF3)	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Ceramic materials and wares, chemicals, hydrolysis products with 3-(trimethoxysilyl)propyl methacrylate	similar compounds	No significant irritation
(1-Methylethylidene)bis(4,1-phenyleneoxy-3,1-propanediyl) bismethacrylate	Rabbit	No significant irritation
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	Not available	Minimal irritation
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, hydrolysis products with silica	Professional judgement	No significant irritation
2,2'-ethylenedioxydiethyl dimethacrylate	Guinea pig	Mild irritant

Serious Eye Damage/Irritation

Name	Species	Value
Ceramic materials and wares, chemicals, hydrolysis products with 3-(trimethoxysilyl)propyl methacrylate	similar compounds	Mild irritant
(1-Methylethylidene)bis(4,1-phenyleneoxy-3,1-propanediyl) bismethacrylate	Rabbit	Mild irritant
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	Not available	Moderate irritant
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, hydrolysis products with silica	Professional judgement	No significant irritation
2,2'-ethylenedioxydiethyl dimethacrylate	Professional judgement	Moderate irritant
Ytterbium fluoride (YbF3)	Professional judgement	Mild irritant

Skin Sensitisation

Name	Species	Value

Ceramic materials and wares, chemicals, hydrolysis products with 3-(trimethoxysilyl)propyl methacrylate	similar compounds	Some positive data exist, but the data are not sufficient for classification
(1-Methylethylidene)bis(4,1-phenyleneoxy-3,1-propanediyl) bismethacrylate	Guinea pig	Not sensitising
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	Guinea pig	Sensitising
2,2'-ethylenedioxydiethyl dimethacrylate	Human and animal	Sensitising

Respiratory Sensitisation

For the component/components, either no data is currently available or the data is not sufficient for classification.

Germ Cell Mutagenicity

Name	Route	Value
(1-Methylethylidene)bis(4,1-phenyleneoxy-3,1-propanediyl) bismethacrylate	In Vitro	Not mutagenic
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	In Vitro	Some positive data exist, but the data are not sufficient for classification
2,2'-ethylenedioxydiethyl dimethacrylate	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Ceramic materials and wares, chemicals, hydrolysis products with 3-(trimethoxysilyl)propyl methacrylate	Inhalation	similar compounds	Some positive data exist, but the data are not sufficient for classification
2,2'-ethylenedioxydiethyl dimethacrylate	Dermal	Mouse	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	Ingestion	Not toxic to female reproduction	Mouse	NOAEL 0.8 mg/kg/day	premating & during gestation
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	Ingestion	Not toxic to male reproduction	Mouse	NOAEL 0.8 mg/kg/day	premating & during gestation
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	Ingestion	Not toxic to development	Mouse	NOAEL 0.8 mg/kg/day	premating & during gestation
2,2'-ethylenedioxydiethyl dimethacrylate	Ingestion	Not toxic to female reproduction	Mouse	NOAEL 1 mg/kg/day	1 generation
2,2'-ethylenedioxydiethyl dimethacrylate	Ingestion	Not toxic to male reproduction	Mouse	NOAEL 1 mg/kg/day	1 generation
2,2'-ethylenedioxydiethyl dimethacrylate	Ingestion	Not toxic to development	Mouse	NOAEL 1 mg/kg/day	1 generation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

For the component/components, either no data is currently available or the data is not sufficient for classification.

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Ceramic materials and wares, chemicals, hydrolysis products with 3-(trimethoxysilyl)propyl	Inhalation	pulmonary fibrosis	Some positive data exist, but the data are not sufficient for classification	similar compounds	NOAEL Not available	

methacrylate						
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	Ingestion	endocrine system | liver | nervous system | kidney and/or bladder	All data are negative	Mouse	NOAEL 0.8 mg/kg/day	premating & during gestation
2,2'-ethylenedioxydiethyl dimethacrylate	Dermal	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 833 mg/kg/day	78 weeks
2,2'-ethylenedioxydiethyl dimethacrylate	Dermal	blood	All data are negative	Mouse	NOAEL 833 mg/kg/day	78 weeks

Aspiration Hazard
For the component/components, either no data is currently available or the data is not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

12.1. Toxicity

No product test data available.

Material	CAS Nbr	Organism	Type	Exposure	Test endpoint	Test result
Ceramic materials and wares, chemicals, hydrolysis products with 3-(trimethoxysilyl)propyl methacrylate	444758-98-9		Data not available or insufficient for classification			
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, hydrolysis products with silica	248596-91-0		Data not available or insufficient for classification			
2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0		Data not available or insufficient for classification			
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-	1565-94-2		Data not available or insufficient for classification			

propanediyl)] bismethacrylate						
(1-Methylethylidene)bis(4,1-phenyleneoxy-3,1-propanediyl) bismethacrylate	27689-12-9	Water flea	Experimental	48 hours	EC50	>100 mg/l
(1-Methylethylidene)bis(4,1-phenyleneoxy-3,1-propanediyl) bismethacrylate	27689-12-9	Green algae	Experimental	72 hours	EC50	>100 mg/l
(1-Methylethylidene)bis(4,1-phenyleneoxy-3,1-propanediyl) bismethacrylate	27689-12-9	Green algae	Experimental	72 hours	NOEC	>100 mg/l
Ytterbium fluoride (YbF3)	13760-80-0		Data not available or insufficient for classification			

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate	1565-94-2	Estimated Biodegradation	28 days	BOD	32 % weight	OECD 301C - MITI test (I)
2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	Estimated Biodegradation	28 days	BOD	76 % weight	OECD 301C - MITI test (I)
(1-Methylethylidene)bis(4,1-phenyleneoxy-3,1-propanediyl) bismethacrylate	27689-12-9	Experimental Biodegradation	28 days	CO2 evolution	7-12 % weight	OECD 301B - Modified sturm or CO2
Ytterbium fluoride (YbF3)	13760-80-0	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Ceramic materials and	444758-98-9	Data not available or	N/A	N/A	N/A	N/A

wares, chemicals, hydrolysis products with 3-(trimethoxysilyl)propyl methacrylate		insufficient for classification				
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, hydrolysis products with silica	248596-91-0	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

12.3 : Bioaccumulative potential

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	Experimental Bioconcentration		Log Kow	1.88	Other methods
(1-Methylethylidene)bis(4,1-phenyleneoxy-3,1-propanediyl) bismethacrylate	27689-12-9	Estimated Bioconcentration		Log Kow	7.61	Estimated: Octanol-water partition coefficient
Ceramic materials and wares, chemicals, hydrolysis products with 3-(trimethoxysilyl)propyl methacrylate	444758-98-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, hydrolysis products with silica	248596-91-0	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)]	1565-94-2	Estimated Bioconcentration		Bioaccumulation factor	5.8	Estimated: Bioconcentration factor

bismethacrylate						
Ytterbium fluoride (YbF3)	13760-80-0	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

12.4. Mobility in soil
Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

No information available at this time, contact manufacturer for more details

12.6. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
See Section 11.1 Information on toxicological effects

Dispose of completely cured (or polymerised) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. If no other disposal options are available, waste product that has been completely cured or polymerised may be placed in a landfill properly designed for industrial waste.

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)
180106* Chemicals consisting of or containing dangerous substances.

SECTION 14: Transportation information

70-2010-7775-0, 70-2010-7776-8, 70-2010-7777-6, 70-2010-7778-4,
70-2010-7779-2, 70-2010-7780-0, 70-2010-7781-8, 70-2010-7782-6,
70-2010-7783-4, 70-2010-7784-2, 70-2010-7785-9, 70-2010-7786-7,
70-2010-7787-5, 70-2010-7788-3, 70-2010-7789-1, 70-2010-7790-9,
70-2010-7791-7, 70-2010-7792-5, 70-2010-7793-3, 70-2010-7794-1,
70-2010-7795-8, 70-2010-7796-6, 70-2010-7797-4, 70-2010-7798-2,
70-2010-7799-0, 70-2010-7800-6

Not hazardous for transportation

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global inventory status
Contact 3M for more information.

15.2. Chemical Safety Assessment
Not applicable

SECTION 16: Other information

List of relevant H statements

H317	May cause an allergic skin reaction.
H413	May cause long lasting harmful effects to aquatic life.

Revision information:

First Aid text information was deleted.
Reference to R phrase explanation in Section 16 information was deleted.
Company Telephone information was added.
Section 1: Product identification numbers information was added.
Section 1: Restrictions on use information information was added.
CLP: Ingredient table information was added.
Section 2: H phrase reference information was added.
Section 2: Indication of danger information information was deleted.
Label: CLP Classification information was added.
Section 02: Label Elements: CLP Medical Device information was added.
Label: CLP Precautionary - Prevention information was added.
Label: CLP Precautionary - Response information was added.
Label: Graphic information was added.
Label: Signal Word information was added.
Section 2: Label ingredient information information was deleted.
Section 2: Other hazards phrase information was added.
Remark (phrase) information was deleted.
Section 2: Risk phrase information information was deleted.
Risk phrase information was deleted.
Safety phrase information was deleted.
Section 2: Symbol information was deleted.
Section 3: Composition/ Information of ingredients table information was modified.
Section 3: Disclosure Statement information was added.
Section 3: Ingredient phrase information was deleted.
Section 3: Reference to H statement explanation in Section 016 information was added.
Section 3: Reference to section 15 for Nota info information was deleted.
Section 4: 4.2. Most important symptoms and effects, both acute and delayed information was added.
Section 4: First Aid - notes to physician (REACH/GHS) information was added.
Section 4: First aid for eye contact - decontamination - information was deleted.
Section 4: First aid for eye contact - medical assistance - information was deleted.
Section 4: First aid for eye contact information information was added.
Section 4: First aid for ingestion (swallowing) - decontamination - information was deleted.
Section 4: First aid for ingestion (swallowing) - intervention - information was deleted.
Section 4: First aid for ingestion (swallowing) - medical assistance - information was deleted.
Section 4: First aid for ingestion (swallowing) information information was added.
Section 4: First aid for inhalation - medical assistance - information was deleted.
Section 4: First aid for inhalation - termination of exposure - information was deleted.
Section 4: First aid for inhalation information information was added.
Section 4: First aid for skin contact - decontamination - information was deleted.
Section 4: First aid for skin contact - handling - information was deleted.
Section 4: First aid for skin contact - medical assistance - information was deleted.
Section 4: First aid for skin contact - termination of exposure - information was deleted.
Section 4: First aid for skin contact information information was added.
Section 4:4.2. Information on toxicological effects text information was added.
Section 5: 5.3. Advice for fire-fighters information was modified.

Section 5: Extinguishing media information information was deleted.
Section 5: Fire - Advice for fire fighters information information was added.
Section 5: Fire - Extinguishing media information information was added.
Section 5: Fire - Special hazards information information was added.
Section 5: Fire fighting procedures information information was deleted.
Section 5: Hazardous combustion products table information was added.
Section 5: Unusual fire and explosion hazard information information was deleted.
Section 6: 6.3. Methods and material for containment and cleaning up information was modified.
Section 6: Accidental release clean-up information information was added.
Section 6: Accidental release environmental information information was added.
Section 6: Accidental release personal information information was added.
Section 6: Environmental procedures information information was deleted.
Section 6: Methods for cleaning up information information was deleted.
Section 6: Personal precautions information information was deleted.
Section 6: Release measures note information was deleted.
Section 7: Conditions safe storage information was added.
Section 7: Handling information information was deleted.
Section 7: More information statement information was added.
Section 7: Precautions safe handling information information was added.
Section 7: Storage information information was deleted.
Section 8: Appropriate Engineering controls information information was added.
Section 8: BLV information was added.
Section 8: Engineering controls information information was deleted.
Section 8: Environmental exposure controls no data available text information was deleted.
Section 8: Eye/face protection information information was deleted.
Section 8: Eye/face protection text information was deleted.
Section 8: mg/m³ key information was deleted.
Section 8: Occupational exposure limit table information was added.
Section 8: Occupational exposure limit table information was modified.
OEL Reg Agency Desc information was modified.
Section 8: Personal Protection - Eye information information was added.
Section 8: Personal Protection - Skin/hand information information was added.
Section 8: ppm key information was deleted.
Section 8: Prevention of swallowing information information was deleted.
Section 8: Respiratory protection information information was added.
Section 8: Respiratory protection information information was deleted.
Section 8: Skin protection information information was deleted.
Section 9: Decomposition Temperature information was added.
Section 9: Autoignition temperature information information was added.
Section 9: Boiling point information information was modified.
Section 9: Density information information was modified.
Section 9: Evaporation Rate information information was modified.
Section 9: Flammable limits (LEL) information information was modified.
Section 9: Flammable limits (UEL) information information was modified.
Section 9: Flash point information information was modified.
Section 9: Melting point information information was modified.
Section 9: n-octanol/water coefficient information information was modified.
Section 9: Odour Threshold information was added.
Section 9: pH information information was modified.
Section 9: Property description for optional properties information was added.
Section 9: Relative density information information was modified.
Section 9: Solubility (non-water) information was added.
Section 9: Solubility in water text information was modified.
Section 9: Vapour density value information was modified.
Section 9: Vapour pressure value information was modified.
Section 9: Viscosity information information was modified.

Section 10.1: Reactivity information information was added.
Section 10: 10.6 Hazardous decomposition products information was added.
Section 10: Hazardous decomposition or by-products table information was added.
Section 10: Hazardous decomposition or by-products table information was deleted.
Section 10: Hazardous decomposition products during combustion text information was added.
Section 11: Acute Toxicity table ATE text information was added.
Section 11: Acute Toxicity table information was added.
Section 11: Additional toxicological information statement information was added.
Section 11: Aspiration Hazard text information was added.
Section 11: Carcinogenicity Table information was added.
Section 11: Classification disclaimer information was added.
Section 11: Disclosed components not in tables text information was added.
Section 11: Germ Cell Mutagenicity Table information was added.
Section 11: Health Effects - Eye information information was added.
Section 11: Health Effects - Ingestion information information was added.
Section 11: Health Effects - Inhalation information information was added.
Section 11: Health Effects - Skin information information was added.
Section 11: Potential effects from eye contact information information was deleted.
Section 11: Potential effects from ingestion information information was deleted.
Section 11: Potential effects from skin contact information information was deleted.
Section 11: Potential respiratory effects information information was deleted.
Section 11: Reproductive and/or Developmental Effects text information was added.
Section 11: Reproductive Toxicity Table information was added.
Section 11: Respiratory Sensitization text information was added.
Section 11: Serious Eye Damage/Irritation Table information was added.
Section 11: Skin Corrosion/Irritation Table information was added.
Section 11: Skin Sensitization Table information was added.
Section 11: Specific Target Organ Toxicity - single exposure text information was added.
Section 11: Target Organs - Repeated Table information was added.
Section 12: 12.5. Results of the PBT and vPvB assessment information was modified.
Section 12: 12.6. Other adverse effects information was modified.
Section 12: Classification Warning information was added.
Section 12: Component ecotoxicity information information was added.
Section 12: Contact manufacturer for more detail. information was modified.
Section 12: No data available information information was deleted.
Prints No Data if Bioccumulative potential information is not present information was deleted.
Prints No Data if Component ecotoxicity information is not present information was deleted.
Prints No Data if Persistence and Degradability information is not present information was deleted.
Section 12: No PBT/vPvB information available warning information was added.
Section 12: Persistence and Degradability information information was added.
Section 12:Bioccumulative potential information information was added.
Section 13: 13.1. Waste disposal note information was added.
Section 13: EU waste code (product as sold) information information was modified.
Section 13: Standard Phrase Category Waste GHS information was added.
Section 13: Waste disposal method information information was deleted.
Section 15: 15.2. Chemical Safety Assessment information was added.
Section 15: Chemical Safety Assessment information was added.
Section 15: Regulations - Inventories information was added.
Section 16: List of relevant R phrase information information was deleted.
Section 16: List of relevant R-phrases information was deleted.
Refer to Section 8 and Section 13 for more information information was added.
Section 16: Restrictions on use information information was deleted.
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was added.
Sectio 16: UK disclaimer information was modified.

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