HENRY SCHEIN®
DENTAL

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Material Safety Data Sheet Cover-Sheet – This page provides additional New Zealand specific information for this product and must be read in conjunction with the Safety Data Sheet (SDS) attached

Product Name:	Harmonize
Manufacturer:	Kerr Italia S.r.l.
SDS Expiry:	1 June 2031
Supplier Details:	Henry Schein New Zealand 243-249 Bush Road, Rosedale, Auckland, 0632 PO Box 101 140, North Shore, Auckland 0745 Ph. 0800 808 855 www.henryschein.co.nz
Emergency Contacts:	Poisons/Hazardous Chemical Info Centre – 0800POISON/0800764766 (24 Hours) Phone 111 for Fire, Ambulance or Police
HSNO Class/Category:	6.5B, 6.8A, 9.1C
HSNO Group Standard:	Dental Products Subsidiary Hazard Group Standard 2020 HSR002558
Statements/Pictograms:	As per attached Safety Data Sheet (SDS)
Date Prepared:	This coversheet was prepared – October 2026

This SDS coversheet has been produced by Henry Schein NZ and has been prepared in accordance with NZ EPA advice on making overseas SDS compliant to HSNO Act. The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specifications of the product. Users must satisfy that the product is entirely suitable for their purpose. The SDS and this coversheet may be revised from time to time, please ensure you have a current copy.

Harmonize

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)
Issue date: 1/06/2026

SECTION 1: Identification

1.1 Product identifier

Product name : Harmonize
Product form : Mixture

1.2 Other means of identification

No additional information available

1.3 Recommended use of the chemical and restrictions on use

Recommended use : Dental product: Composite
Restrictions on use : For professional use only

1.4 Details of manufacturer or importer

Manufacturer
Kerr Italia, S.r.l.
Via Passanti, 174
Scafati (SA) 84018, Italy
T +39 081 850 3511

Distributor
Kerr Australia Pty Limited
Unit 6, 12 Mars Road
Lane Cove West, NSW 2066
Australia
T 1-800-643-603
queries.anz@kerrdental.com

1.5. Emergency phone number

Emergency number : (Chemical Spills, Leaks, Fire, Exposure or Accident only): CHEMTREC 1-800-424-9300 (in the US), 1-703-527-3887 (Outside the US)

Country/Area	Organisation	Emergency number
New Zealand	National Poisons Centre. PO Box 56 9054 Dunedin.	0800 764 766

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

HSNO Approval Number : HSR002558

Classification according to the Environmental Protection Authority notices (EPA Hazardous Substances and New Organisms Act 1996)

Skin sensitisation, category 1B	H317
Reproductive toxicity, Category 1	H360
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412

2.2. GHS Label elements, including precautionary statements

GHS NZ labelling

Hazard pictograms (GHS NZ) :



Signal word (GHS NZ) : Danger
Contains : Triethylene glycol dimethacrylate (1-5 %); Ethyl 4-dimethylaminobenzoate (0.1-1 %); Butylated Hydroxytoluene (0.1-1 %); Oxybenzone (0.1-1 %)
Hazard statements (GHS NZ) : H317 - May cause an allergic skin reaction
H360 - May damage fertility or the unborn child (if swallowed)
H412 - Harmful to aquatic life with long lasting effects

Prevention : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing dust.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves.

Response : P308+P313 - IF exposed or concerned: Get medical advice.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P333+P313 - If skin irritation or rash occurs: Get medical advice.
P362+P364 - Take off contaminated clothing and wash it before reuse.

Storage : P405 - Store locked up.

Disposal : P501 - Dispose of contents and container to an approved waste disposal plant, in accordance with local, state, and federal regulations.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GHS NZ
Ethoxylated bisphenol A dimethacrylate	CAS-No.: 41637-38-1	7-30	Aquatic Chronic 4, H413
Ethoxylated bisphenol-A-dimethacrylate	CAS-No.: 56744-60-6	5-13	Aquatic Chronic 4, H413
Ytterbium Trifluoride	CAS-No.: 13760-80-0	7-13	Not classified
Silicon dioxide	CAS-No.: 7631-86-9	3-7	Not classified
Silica	CAS-No.: 112945-52-5	1-5	Not classified
Triethylene glycol dimethacrylate	CAS-No.: 109-16-0	1-5	Skin Sens. 1B, H317
Ethyl 4-dimethylaminobenzoate	CAS-No.: 10287-53-3	0.1-1	Repr. 1, H360 Aquatic Chronic 2, H411
Butylated Hydroxytoluene	CAS-No.: 128-37-0	0.1-1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Oxybenzone	CAS-No.: 131-57-7	0.1-1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Get medical advice/attention if you feel unwell.

4.2. Symptoms caused by exposure

Inhalation : Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure.

Skin : May cause an allergic skin reaction.

Eyes : Direct contact with the eyes is likely to be irritating.

Ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms : This product may cause reproductive harm and/or developmental effects.

4.3. Medical attention and special treatment

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : None known.

5.2. Specific hazards arising from the chemical

Fire hazard : This product is not classified as flammable or combustible.
General measures : Do not touch or walk on the spilled product.
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO2). Nitrogen oxides. Halogenated compounds. Metal oxides. Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Cool down the containers exposed to heat with a water spray. Do not allow run-off from firefighting to enter drains or water courses.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not touch or walk on the spilled product.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Avoid contact with eyes, skin and clothing. Avoid breathing dust, vapours.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

For containment : Stop leak if safe to do so. Do not touch or walk on the spilled product.
Methods for cleaning up : Absorb and/or contain spill with inert material, then place in suitable container.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Avoid breathing dust. Ensure adequate ventilation.
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area. Keep in original containers. Keep away from heat and direct sunlight. Opened containers must be carefully closed and kept upright to avoid leakage. Keep container closed when not in use. Store away from incompatible materials.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

Butylated Hydroxytoluene (128-37-0)	
New Zealand - Occupational Exposure Limits	
Local name	Butylated hydroxytoluene (2,6-Di-tert-butyl-p-cresol)
WES-TWA (OEL TWA)	10 mg/m³
Remark (NZ)	dsen (Dermal sensitiser)
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 15th Edition

Ytterbium Trifluoride (13760-80-0)	
New Zealand - Occupational Exposure Limits	
Local name	Fluorides, as F
WES-TWA (OEL TWA)	2.5 mg/m³
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 14th Edition
New Zealand - Biological Exposure Indices	
Local name	Fluorides
BEI	2 mg/l Parameter: Fluoride - Medium: Urine - Sampling time: Prior to shift 3 mg/l Parameter: Fluoride - Medium: Urine - Sampling time: End of shift
Remark	– The BEI is not applicable to non-metal fluorides and organic fluoride-containing compounds – As dietary and environmental factors can vary the fluoride body concentrations, repeated measurements are necessary – Biological levels of fluorides are indicators of the potential risk of systemic toxicity and cannot be used for the evaluation of irritative effects
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 14th Edition

Silicon dioxide (7631-86-9)	
New Zealand - Occupational Exposure Limits	
Local name	Silica-Amorphous
WES-TWA (OEL TWA)	10 mg/m³
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 14th Edition

Silica (112945-52-5)	
New Zealand - Occupational Exposure Limits	
Local name	Silica-Amorphous
WES-TWA (OEL TWA)	10 mg/m³
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 14th Edition

Exposure limit values for the other components

No additional information available

8.2. Monitoring methods

No additional information available

8.3. Engineering controls

Appropriate engineering controls : Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Wear protective gloves. Contact your glove supplier for selection assistance.
Eye protection : Wear safety goggles or other eye protection to prevent eye contact.
Skin and body protection : Wear suitable protective clothing
Respiratory protection : In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

SECTION 9: Physical and chemical properties

Physical state : Paste.
Appearance : Various colours. Paste.
Colour : Various colours
Odour : Fruity Ester
Odour threshold : No additional information available
pH : No additional information available
Evaporation rate : No additional information available
Melting point / Freezing point : No additional information available
Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : No data available
Flammability : Not flammable
Vapour pressure : No additional information available
Relative density : No additional information available
Density : Relative density: 1.97
Solubility : Insoluble in water.
Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Explosive limits : No additional information available
Minimum ignition energy : No data available

SECTION 10: Stability and reactivity

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.
Conditions to avoid : None under recommended storage and handling conditions (see section 7).
Incompatible materials : Oxidizing Substances. Reducing agents. Peroxides. Amines.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Toxicity

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Ethoxylated bisphenol-A-dimethacrylate (56744-60-6)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Triethylene glycol dimethacrylate (109-16-0)	
LD50 oral rat	10837 g/kg

Ethoxylated bisphenol A dimethacrylate (41637-38-1)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Ethyl 4-dimethylaminobenzoate (10287-53-3)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Butylated Hydroxytoluene (128-37-0)	
LD50 oral rat	> 2930 mg/kg
LD50 dermal rat	> 2000 mg/kg

Oxybenzone (131-57-7)	
LD50 oral rat	> 12800 mg/kg
LD50 dermal rabbit	> 16000 mg/kg

Ytterbium Trifluoride (13760-80-0)	
LD50 oral rat	> 2000 mg/kg

Silicon dioxide (7631-86-9)	
LD50 oral	5110 mg/kg
LD50 dermal	5000 mg/kg

Silica (112945-52-5)	
LD50 oral rat	3160 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Butylated Hydroxytoluene (128-37-0)	
NOAEL (chronic, oral, animal/male, 2 years)	25 mg/kg bodyweight (rat)
IARC group	3 - Not classifiable

Silicon dioxide (7631-86-9)	
IARC group	3 - Not classifiable

Reproductive toxicity : May damage fertility or the unborn child (if swallowed).
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

Triethylene glycol dimethacrylate (109-16-0)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight

Ethoxylated bisphenol A dimethacrylate (41637-38-1)	
NOAEL (oral, rat, 90 days)	300 mg/kg bodyweight

Butylated Hydroxytoluene (128-37-0)	
LOAEL (oral, rat, 90 days)	100 mg/kg bodyweight
NOAEL (oral, rat, 90 days)	25 mg/kg bodyweight

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short–term (acute) : Not classified.
Hazardous to the aquatic environment, long–term (chronic) : Harmful to aquatic life with long lasting effects.
Soil toxicity : Not classified
Terrestrial vertebrate toxicity : Not classified
Terrestrial invertebrate toxicity : Not classified

Ethoxylated bisphenol-A-dimethacrylate (56744-60-6)	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 100 mg/l Daphnia magna (Water flea)
LD50 dermal rat	> 2000 mg/kg
LD50 oral rat	> 2000 mg/kg

Triethylene glycol dimethacrylate (109-16-0)	
LC50 - Fish [1]	16.4 mg/l Danio rerio (Zebrafish)
EC50 72h - Algae [1]	> 100 mg/l Pseudokirchneriella subcapitata
EC50 72h - Algae [2]	72.8 mg/l Pseudokirchneriella subcapitata
LOEC (chronic)	100 mg/l Daphnia magna (Water flea)
NOEC (chronic)	32 mg/l Daphnia magna (Water flea)
LD50 oral rat	10837 g/kg

Ethoxylated bisphenol A dimethacrylate (41637-38-1)	
LC50 - Fish [1]	> 100 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea [1]	> 100 mg/l Daphnia magna (Water flea)
ErC50 algae	> 100 mg/l
LD50 dermal rat	> 2000 mg/kg
LD50 oral rat	> 2000 mg/kg

Ethyl 4-dimethylaminobenzoate (10287-53-3)	
LC50 - Fish [1]	1.9 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea [1]	4.5 mg/l Daphnia magna (Water flea)
ErC50 algae	2.8 mg/l Pseudokirchneriella subcapitata
LD50 dermal rat	> 2000 mg/kg
LD50 oral rat	> 2000 mg/kg

Butylated Hydroxytoluene (128-37-0)	
LC50 - Fish [1]	0.199 mg/l Quantitative structure-activity relationship (QSAR)
EC50 - Crustacea [1]	0.48 mg/l
EC50 72h - Algae [1]	> 0.4 mg/l Desmodesmus subspicatus
ErC50 algae	0.758 mg/l
LOEC (chronic)	1 mg/l Daphnia magna (Water flea)
NOEC (chronic)	0.069 mg/l

Butylated Hydroxytoluene (128-37-0)	
NOEC chronic fish	0.053 mg/l
LD50 dermal rat	> 2000 mg/kg
LD50 oral rat	> 2930 mg/kg

Oxybenzone (131-57-7)	
LC50 - Fish [1]	3.8 mg/l Oryzias latipes (Ricefish)
EC50 - Crustacea [1]	1.87 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	0.41 mg/l Pseudokirchneriella subcapitata
ErC50 algae	0.67 mg/l Pseudokirchneriella subcapitata
LD50 dermal rabbit	> 16000 mg/kg
LD50 oral rat	> 12800 mg/kg

Ytterbium Trifluoride (13760-80-0)	
LD50 oral rat	> 2000 mg/kg

Silica (112945-52-5)	
EC50 72h - Algae [1]	> 173.1 mg/l Desmodesmus subspicatus
LOEC (chronic)	149.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
LD50 dermal rat	> 2000 mg/kg
LD50 oral rat	3160 mg/kg

12.2. Persistence and degradability

Harmonize	
Persistence and degradability	Not rapidly degradable

Ethoxylated bisphenol-A-dimethacrylate (56744-60-6)	
Persistence and degradability	Not rapidly degradable

Triethylene glycol dimethacrylate (109-16-0)	
Persistence and degradability	Rapidly degradable

Ethoxylated bisphenol A dimethacrylate (41637-38-1)	
Persistence and degradability	Not rapidly degradable

Ethyl 4-dimethylaminobenzoate (10287-53-3)	
Persistence and degradability	Not rapidly degradable

Butylated Hydroxytoluene (128-37-0)	
Persistence and degradability	Not rapidly degradable

Oxybenzone (131-57-7)	
Persistence and degradability	Not rapidly degradable

Ytterbium Trifluoride (13760-80-0)	
Persistence and degradability	Not rapidly degradable

Silicon dioxide (7631-86-9)	
Persistence and degradability	Biodegradation is not applicable to inorganic compounds.

Silica (112945-52-5)	
Persistence and degradability	Biodegradation is not applicable to inorganic compounds.

12.3. Bioaccumulative potential

Harmonize	
Bioaccumulative potential	No additional information available

12.4. Mobility in soil

Harmonize	
Mobility in soil	No additional information available

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available

SECTION 13: Disposal considerations

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.
Sewage disposal recommendations : Do not dispose of waste into sewer. Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

IMDG	IATA	UNRTDG
14.1. UN number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Special precautions for user

Transport by road and rail
Not regulated

Transport by sea
Not regulated

Air transport
Not regulated

14.7. Transport in bulk according to IMO instruments

Not applicable

14.8. Hazchem or Emergency Action Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Hazardous Substances and New Organisms Act
HSNO Approval Number : HSR002558
Group standard : Dental product

Triethylene glycol dimethacrylate (109-16-0)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR003763

Ethoxylated bisphenol A dimethacrylate (41637-38-1)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR007296

Butylated Hydroxytoluene (128-37-0)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR002784

15.2. Chemical safety assessment

Australian Inventory of Industrial Chemicals (AICIS)	Listed (2-Propenoic acid, 2-methyl-, (1-methylethylidene)bis(4,1-phenyleneoxy-2,1-ethanediyloxy-2,1-ethanediyl) ester; 2-Propenoic acid, 2-methyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester; Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[(1-methylethylidene)di-4,1-phenylene]bis[.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]-; Benzoic acid, 4-(dimethylamino)-, ethyl ester; Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-; Methanone, (2-hydroxy-4-methoxyphenyl)phenyl-; Silicon dioxide; Silica)

SECTION 16: Other information

Issue date : 1/06/2026

Indication of changes:
New SDS.

Data sources : ECHA (European Chemicals Agency).

Full text of H-statements	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4
Repr. 1	Reproductive toxicity, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H317	May cause an allergic skin reaction
H360	May damage fertility or the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Full text of H-statements	
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

Safety Data Sheet (SDS), New Zealand

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation, however, KERR Corporation makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.