HENRY SCHEIN®
DENTAL

GENERAL BUSINESS: 0800 808 855
FAX: 0508 808 555
www.henryschein.co.nz

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:	OptiBond eXTRa Universal Primer
Manufacturer:	Kerr Italia S.r.l.
SDS Expiry:	11 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:	3.1B, 6.3A, 6.4A, 6.5B, 6.9B
HSNO Group Standard:	Dental Products Flammable Group Standard 2020 HSR002556
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.

OptiBond eXTRa Universal_Primer

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)
Issue date: 11/06/2026

SECTION 1: Identification

1.1 Product identifier

Product name : OptiBond eXTRa Universal_Primer
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
Bonding agent
Restrictions on use : Restricted to professional users

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 : HSR002556

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

Flammable liquids, Category 2	H225
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335

2.2. GHS Label elements, including precautionary statements

GHS NZ labelling

Hazard pictograms (GHS NZ) :



Signal word (GHS NZ) : Danger

Contains	:	Acetone (15-40 %); 2-(Phosphonooxy)propane-1,3-diylbismethacrylate (10-30 %); 2-Hydroxyethyl methacrylate (10-20 %); Ethanol (5-10 %)
Hazard statements (GHS NZ)	:	H225 - Highly flammable liquid and vapour H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H335 - May cause respiratory irritation H336 - May cause drowsiness or dizziness
Prevention	:	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P240 - Ground and bond container and receiving equipment. P241 - Use explosion-proof electrical equipment. P261 - Avoid breathing mist, vapours. P264 - Wash hands thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear eye protection, protective gloves, protective clothing.
Response	:	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTER or doctor if you feel unwell. P370+P378 - In case of fire: Use Dry chemical, CO2, alcohol-resistant foam or waterspray to extinguish.
Storage	:	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up.
Disposal	:	P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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
Acetone	CAS-No.: 67-64-1	15-40	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
2-(Phosphonooxy)propane-1,3-diylbismethacrylate	CAS-No.: 67829-13-4	10-30	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
2-Hydroxyethyl methacrylate	CAS-No.: 868-77-9	10-20	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Ethanol	CAS-No.: 64-17-5	5-10	Flam. Liq. 2, H225
2,6-Di-tert-butyl-p-cresol	CAS-No.: 128-37-0	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 : Move the affected person to fresh air. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : Wash skin with plenty of water and soap. 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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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

4.2. Symptoms caused by exposure

Inhalation : May cause irritation to the respiratory tract and to other mucous membranes. Inhalation may affect the nervous system causing headache, possibly dizziness, nausea, weakness, loss of coordination and unconsciousness.

Skin : May cause moderate irritation. May cause an allergic skin reaction.

Eyes : May cause moderate irritation, including burning sensation, tearing, redness or swelling.

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

Chronic symptoms : None known.

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 dry chemical, CO2, water spray or alcohol-resistant foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Highly flammable liquid and vapour. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.

Explosion hazard : Prolonged exposure to fire may cause containers to rupture/explode.

General measures : Remove ignition sources. Stop leak if safe to do so.

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO2). Phosphorus 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 enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing.

Hazchem Code : * 3YE

EAC code : •3YE - •3YE

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Stop leak if safe to do so.

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 mist, vapours. Ventilate spillage area.

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".

Emergency procedures : Eliminate ignition sources. Evacuate unnecessary personnel.

6.2. Environmental precautions

Avoid release to the environment.

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 : Use non-sparking tools. 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 : Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Avoid breathing mist, vapours. Ensure adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use.
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 away from ignition sources. 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

Ethanol (64-17-5)	
New Zealand - Occupational Exposure Limits	
Local name	Ethanol (Ethyl alcohol)
WES-TWA (OEL TWA)	380 mg/m³
	200 ppm
WES-STEL (OEL STEL)	1520 mg/m³
	800 ppm
Remark (NZ)	oto (Ototoxin)
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 15th Edition

2,6-Di-tert-butyl-p-cresol (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

Acetone (67-64-1)	
New Zealand - Occupational Exposure Limits	
Local name	Acetone
WES-TWA (OEL TWA)	1185 mg/m³

Acetone (67-64-1)	
	500 ppm
WES-STEL (OEL STEL)	2375 mg/m³
	1000 ppm
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 15th Edition
New Zealand - Biological Exposure Indices	
Local name	Acetone
BEI	50 mg/l Parameter: Acetone - Medium: Urine - Sampling time: End of shift
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 15th 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 : Liquid

Appearance : Pale yellow Liquid.

Colour : Pale yellow

Odour : Fruity ester-like

Odour threshold : 4.58 ppm (Acetone)

pH : 2.2

Evaporation rate : No additional information available

Melting point / Freezing point : No additional information available

Boiling point : 132.8 °F (56°C) (Acetone)

Flash point : 55.4 °F (13°C) (Acetone)

Auto-ignition temperature : 685 °F (363°C) (Ethanol)

Flammability : No additional information available

Vapour pressure : No additional information available

Relative density : No additional information available

Density : Relative density: 1

Solubility : Partially soluble.

Partition coefficient n-octanol/water (Log Pow) : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Explosive limits : 2.5 Vol-% (Acetone)
19 Vol-% (Ethanol)

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. Loss of inhibitor may allow the product to polymerize.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use. Excessive heat and ultraviolet light may allow the product to polymerize.
Conditions to avoid	:	Keep away from open flames, hot surfaces and sources of ignition.
Incompatible materials	:	Keep away from oxidizers, strong acids and strong bases. Reducing agents. Amines. Peroxides.
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

2-Hydroxyethyl methacrylate (868-77-9)	
LD50 oral rat	5564 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg bodyweight

Ethanol (64-17-5)	
LD50 oral rat	15010 mg/kg bodyweight
LD50 oral	8300 mg/kg bodyweight
LC50 Inhalation - Rat (Vapours)	≈ 116.9 mg/l/4h

2,6-Di-tert-butyl-p-cresol (128-37-0)	
LD50 oral rat	> 2930 mg/kg bodyweight (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402 method)

Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg
LC50 Inhalation - Rat	76 mg/l

Skin corrosion/irritation	:	Causes skin irritation. pH: 2.2
Serious eye damage/irritation	:	Causes serious eye irritation.
Respiratory or skin sensitisation	:	May cause an allergic skin reaction.
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified

Ethanol (64-17-5)	
IARC group	1 - Carcinogenic to humans

2,6-Di-tert-butyl-p-cresol (128-37-0)	
NOAEL (chronic, oral, animal/male, 2 years)	25 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: toxicity (migrated information)
IARC group	3 - Not classifiable

Reproductive toxicity	:	Not classified

Acetone (67-64-1)	
LOAEL (animal/female, F0/P)	11298 mg/kg bodyweight mouse
NOAEL (animal/male, F0/P)	900 mg/kg bodyweight rat

STOT-single exposure	:	May cause drowsiness or dizziness. May cause respiratory irritation.

Acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.

2-(Phosphonooxy)propane-1,3-diylbismethacrylate (67829-13-4)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Ethanol (64-17-5)	
NOAEL (subchronic, oral, animal/male, 90 days)	< 9700 mg/kg bodyweight
NOAEL (subchronic, oral, animal/female, 90 days)	> 9400 mg/kg bodyweight

2,6-Di-tert-butyl-p-cresol (128-37-0)	
LOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Animal sex: male
NOAEL (oral, rat, 90 days)	25 mg/kg bodyweight Animal: rat, Animal sex: male

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short–term (acute) : Not classified.

Hazardous to the aquatic environment, long–term (chronic) : Not classified.

Soil toxicity : Not classified

Terrestrial vertebrate toxicity : Not classified

Terrestrial invertebrate toxicity : Not classified

2-Hydroxyethyl methacrylate (868-77-9)	
LC50 - Fish [1]	> 100 mg/l Oryzias latipes (Ricefish)
EC50 - Crustacea [1]	380 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	836 mg/l Pseudokirchneriella subcapitata
EC50 72h - Algae [2]	345 mg/l Pseudokirchneriella subcapitata
LOEC (chronic)	49.6 mg/l Daphnia magna (Water flea)
NOEC (chronic)	24.1 mg/l Daphnia magna (Water flea)
LD50 dermal rabbit	> 5000 mg/kg bodyweight
LD50 oral rat	5564 mg/kg bodyweight

Ethanol (64-17-5)	
LC50 - Fish [1]	14.2 g/l Pimephales promelas (Fathead minnow)
EC50 - Crustacea [1]	> 100 mg/l
NOEC (chronic)	9.6 mg/l Daphnia magna (Water flea)
LD50 oral rat	15010 mg/kg bodyweight

2,6-Di-tert-butyl-p-cresol (128-37-0)	
LC50 - Fish [1]	> 0.57 mg/l Danio rerio (Zebrafish)
LC50 - Fish [2]	1.1 mg/l Oryzias latipes
EC50 - Crustacea [1]	0.48 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	> 0.4 mg/l Desmodesmus subspicatus

2,6-Di-tert-butyl-p-cresol (128-37-0)	
LOEC (chronic)	1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.053 mg/l Oryzias latipes (Ricefish)
NOEC chronic crustacea	0.023 mg/l Daphnia magna (Water flea)
Partition coefficient n-octanol/water (Log Pow)	5.1
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402 method)
LD50 oral rat	> 2930 mg/kg bodyweight (OECD 401 method)

Acetone (67-64-1)	
NOEC (chronic)	≥ 79 mg/l Daphnia magna (Water flea)
LD50 oral rat	5800 mg/kg

12.2. Persistence and degradability

OptiBond eXTRa Universal_Primer	
Persistence and degradability	Rapidly degradable

2-Hydroxyethyl methacrylate (868-77-9)	
Persistence and degradability	Rapidly degradable

Ethanol (64-17-5)	
Persistence and degradability	Readily biodegradable.

2,6-Di-tert-butyl-p-cresol (128-37-0)	
Persistence and degradability	Not readily biodegradable.

Acetone (67-64-1)	
Persistence and degradability	Readily biodegradable.

2-(Phosphonooxy)propane-1,3-diylbismethacrylate (67829-13-4)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

OptiBond eXTRa Universal_Primer	
Bioaccumulative potential	No additional information available

Ethanol (64-17-5)	
Bioaccumulative potential	Low bioaccumulation potential.

2,6-Di-tert-butyl-p-cresol (128-37-0)	
Partition coefficient n-octanol/water (Log Pow)	5.1

12.4. Mobility in soil

OptiBond eXTRa Universal_Primer	
Mobility in soil	No additional information available

2,6-Di-tert-butyl-p-cresol (128-37-0)	
Partition coefficient n-octanol/water (Log Pow)	5.1

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.
Product/Packaging disposal recommendations : When possible, triple rinse the container and offer for recycling if available.

SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

IMDG	IATA	UNRTDG
14.1. UN number		
1993	1993	1993
14.2. UN Proper Shipping Name		
FLAMMABLE LIQUID, N.O.S. (Acetone, Ethanol)	Flammable liquid, n.o.s. (Acetone, Ethanol)	FLAMMABLE LIQUID, N.O.S. (Acetone, Ethanol)
Transport document description		
UN 1993 FLAMMABLE LIQUID, N.O.S. (Acetone, Ethanol), 3, II (55.4°F c.c.)	UN 1993 Flammable liquid, n.o.s. (Acetone, Ethanol), 3, II	UN 1993 FLAMMABLE LIQUID, N.O.S. (Acetone, Ethanol), 3, II
14.3. Transport hazard class(es)		
3	3	3
		
14.4. Packing group		
II	II	II
14.5. Environmental hazards		
Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available		

14.6. Special precautions for user

Transport by road and rail
No data available

Transport by sea
No data available

Air transport
No data available

14.7. Transport in bulk according to IMO instruments

Not applicable

14.8. Hazchem or Emergency Action Code

EAC code : •3YE.
Hazchem Code : * 3YE

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 : HSR002556
Group standard : Dental product

2-Hydroxyethyl methacrylate (868-77-9)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR003005

Ethanol (64-17-5)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR001144

2,6-Di-tert-butyl-p-cresol (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-, 2-hydroxyethyl ester; Ethanol; 2,6-Di-tert-butyl-p-cresol; Acetone)

SECTION 16: Other information

Issue date : 11/06/2026

Indication of changes:
New SDS.

Data sources : ECHA (European Chemicals Agency). Supplier's safety documents.

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
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Full text of H-statements	
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

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.