

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:	G2-BOND Universal Primer
Manufacturer:	GC Corporation
SDS Expiry:	12 November 2025
Supplier Details:	Henry Schein New Zealand 23 William Pickering Drive, Albany 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:	1/3/6/9
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 on March 2021

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.





Page 1/11

Safety Data Sheet in accordance with HSNO

Printing date 12.11.2020

Version number 1

Revision: 12.11.2020

1 Identification of the substance or mixture and of the supplier

· Product identifier

· Trade name: GC G2-BOND Universal Primer

· Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.

· Application of the substance / the mixture Auxiliary for dental technology

· Details of the supplier of the safety data sheet Henry Schein Dental 23 William Pickering Drive, Albany Auckland 0632, NEW ZEALAND

PO Box 101140, NSMC Auckland 0745, NEW ZEALAND

Free Phone: 0800 808 855

• Further information obtainable from: Regulatory affairs • Emergency telephone number: 0800 764 766 (National Poisons Centre)

2 Hazards identification

· Classification of the substance or mixture

Unst. Expl.	H200	Unstable explosives.
Flam. Liq. 2	H225	Highly flammable liquid and vapour.
Skin Corr. 1A	H314	Causes severe skin burns and eye damage.
Eye Dam. 1	H318	Causes serious eye damage.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H336	May cause drowsiness or dizziness.
Aquatic Acute 3	H402	Harmful to aquatic life.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

· Label elements

• GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS). · Exemptions

The product, regulated as an invasive medical device by the Regulation (EC) 2017/745, is exempted from labelling requirements for substances and mixtures (according to the provision of the Art 1.5). · Hazard pictograms



· Signal word Danger

· Hazard-determining components of labelling: 2,2'-ethylenedioxydiethyl dimethacrylate

(Contd. on page 2)

Printing date 12.11.2020

Version number 1

Revision: 12.11.2020

Trade name: GC G2-BOND Universal Primer

(Contd. of page 1)
· Hazard statements
Unstable explosives.
Highly flammable liquid and vapour.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.
Harmful to aquatic life with long lasting effects.
· Precautionary statements
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Do not breathe dusts or mists.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a POISON CENTER/doctor.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
DO NOT fight fire when fire reaches explosives.
Evacuate area.
Store in accordance with local/regional/national/international regulations.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
· Other hazards
· Results of PBT and vPvB assessment
· PBT: Not applicable.

· vPvB: Not applicable.

3 Composition/Information on ingredients

· Chemical characterisation: Mixtures

• Description:

Only substances required to be mentioned according to Annex II of regulation 1907/2006 are listed. Information on the other substances that may be present can be obtained upon request.

· Dangerous compone	ents:	
CAS: 67-64-1	acetone	25-<50%
EINECS: 200-662-2		>10 < 200/
CAS: 1830-78-0 EINECS: 217-388-4	2-Hydroxy-1,3 dimethacryloxypropane Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	≥10-<20%
CAS: 85590-00-7	methacryloyloxydecyl dihydrogen phosphate Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	5-<10%
CAS: 109-16-0 EINECS: 203-652-6	2,2'-ethylenedioxydiethyl dimethacrylate Skin Sens. 1, H317	2.5-<5%
CAS: 75980-60-8 EINECS: 278-355-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide Repr. 2, H361	1-<2.5%
CAS: 128-37-0 EINECS: 204-881-4	Butylated hydroxytoluene Aquatic Acute 1, H400; Aquatic Chronic 1, H410	1-<2.5%
· Additional informat	ion: For the wording of the listed hazard phrases refer to section 16.	N

(Contd. on page 3)

Printing date 12.11.2020

Version number 1

Revision: 12.11.2020

Trade name: GC G2-BOND Universal Primer

(Contd. of page 2)

4 First aid measures

- · Description of first aid measures
- · General information:

Immediately remove any clothing soiled by the product.

- If symptoms persist consult doctor.
- *After inhalation:* Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. Take affected persons into fresh air and keep quiet.
- After skin contact: Immediately wash with water and soap and rinse thoroughly. Seek medical treatment. If skin irritation continues, consult a doctor. • After eye contact:

Protect unharmed eye. Rinse opened eye for several minutes under running water. Call a doctor immediately.

• After swallowing:

- Rinse out mouth and then drink plenty of water.
- If symptoms persist consult doctor.
- Information for doctor:
- · Most important symptoms and effects, both acute and delayed Allergic reactions
- · Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

5 Fire fighting measures

- Extinguishing media
- Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture
- Formation of toxic gases is possible during heating or in case of fire.
- No further relevant information available.
- · Advice for firefighters
- · Protective equipment: Wear self-contained respiratory protective device.
- · Additional information
- Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Remove persons from danger area. Keep away from ignition sources. Avoid contact with the eyes and skin. Wear protective clothing.
 Environmental precautions:
- Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil.

(Contd. on page 4)

NZ

Printing date 12.11.2020

Version number 1

Revision: 12.11.2020

Trade name: GC G2-BOND Universal Primer

(Contd. of page 3)

• Methods and material for containment and cleaning up:

Ensure adequate ventilation. Use neutralising agent.

Absorb liquid components with liquid-binding material.

Dispose of the material collected according to regulations.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· Handling:

• **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Avoid contact with the eyes and skin.

Open and handle receptacle with care.

- Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Prevent impact and friction. Do not spray onto a naked flame or any incandescent material.
- · Conditions for safe storage, including any incompatibilities

· Storage:

- Requirements to be met by storerooms and receptacles: Store only in unopened original receptacles.
- · Information about storage in one common storage facility: Store away from foodstuffs.

• Further information about storage conditions: Keep container tightly sealed.

Protect from heat and direct sunlight. Store in a cool place.

· Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.

· Control parameters

67-64-1 ac	etone		
WES (New	1	Short-term value: 2375 mg/m³, 1000 ppm Long-term value: 1185 mg/m³, 500 ppm vio	
IOELV (Eı	ropean Union)	Long-term value: 1210 mg/m³, 500 ppm	
· DNELs			
128-37-0 E	Butylated hydroxy	vtoluene	
Dermal	DNEL dermal	0.5 mg/kg bw/day (man)	
Inhalative	DNEL inhalatior	a 3.5 mg/m3 (man)	
• Additional	information: Th	e lists valid during the making were used as basis.	(Contd. on page 5

Printing date 12.11.2020

Version number 1

Revision: 12.11.2020

Trade name: GC G2-BOND Universal Primer

(Contd. of page 4)

Exposure controls
Personal protective equipment:
General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Avoid contact with the eyes and skin.
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing
Respiratory protection: Suitable respiratory protective device recommended.
Protection of hands:



Protective gloves

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

General Information		
Appearance:		
Form:	Liquid	
Colour:	Light yellow	
Odour:	Acetone-like	
Odour threshold:	Not determined.	
pH-value at 20 °C:	1.8	
Change in condition		
Melting point/freezing point:	-95 °C	
Initial boiling point and boiling ra	nge: 55.8-56.6 °C	
Flash point:	-17 °C	
Flammability (solid, gas):	Not applicable.	
Ignition temperature:	Undetermined.	
Decomposition temperature:	Not determined.	
Auto-ignition temperature:	Product is not selfigniting.	

Printing date 12.11.2020

Version number 1

Revision: 12.11.2020

Trade name: GC G2-BOND Universal Primer

	(Contd. of page 5
· Explosive properties:	Product does not present an explosion hazard.
	Risk of explosion by shock, friction, fire or other sources of ignition.
· Explosion limits:	
Lower:	2.6 Vol %
Upper:	13 Vol %
· Vapour pressure:	Not determined.
· Density at 20 °C:	$0.94 \ g/cm^3$
· Relative density	Not determined.
· Vapour density	Not determined.
Evaporation rate	Not determined.
· Solubility in / Miscibility with	
water:	Fully miscible.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	33.0 %
Water:	24.0 %
VOC (EC)	400.6 g/l
Other information	No further relevant information available.

10 Stability and reactivity

· Reactivity No further relevant information available.

· Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.

· Incompatible materials: No further relevant information available.

· Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

• Acute toxicity

· LD/LC50 values relevant for classification:

67-64-1 acetone

Oral LD50 5,800 mg/kg (rat (f+m))

Dermal LD50 20,000 mg/kg (rabbit)

128-37-0 Butylated hydroxytoluene

Oral LD50 >6,000 mg/kg (rat (f+m)) (OECD 401)

• Primary irritant effect:

· Skin corrosion/irritation Strong caustic effect on skin and mucous membranes.

(Contd. on page 7)

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Printing date 12.11.2020

Version number 1

Revision: 12.11.2020

(Contd. of page 6)

Trade name: GC G2-BOND Universal Primer

· Serious eye damage/irritation

Strong caustic effect.

Strong irritant with the danger of severe eye injury.

• Respiratory or skin sensitisation Sensitisation possible through skin contact.

· Additional toxicological information: Corrosive

• *Repeated dose toxicity No further relevant information available.*

· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

No further relevant information available.

12 Ecological information

· Toxicity

· Aquatic toxicity:

128-37-0 Butylated hydroxytoluene

EC50/48h (static) 0.48 mg/l (daphnia magna) (OECD 202)

· Persistence and degradability No further relevant information available.

- Behaviour in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- *Mobility in soil* No further relevant information available.
- · Ecotoxical effects:
- · Remark: Harmful to fish
- Additional ecological information:
- · General notes:
- Must not reach sewage water or drainage ditch undiluted or unneutralised.
- Harmful to aquatic organisms

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

• Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

• Uncleaned packaging:

- *Recommendation:* Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

4 Transport information		
· UN-Number · ADR, IMDG, IATA	UN1993	
		(Contd. on page

Version number 1

Re

Revision: 12.11.2020

Trade name: GC G2-BOND Universal Primer

Printing date 12.11.2020

993 FLAMMABLE LIQUID, N.O.S. (ACETONE), speci rovision 640D TLAMMABLE LIQUID, N.O.S. (ACETONE) (F1) Flammable liquids.
(F1) Flammable liquids.
Flammable liquids.
Ι
lot applicable.
Varning: Flammable liquids.
3
<u><i>S-E, <u>S-E</u></i></u>
lot applicable.
L
Code: E2
Iaximum net quantity per inner packaging: 30 ml
<i>Iaximum net quantity per outer packaging: 500 ml</i>
D/E
<i>,</i>
L Seder E2
Code: E2
lavinum not quantity nor inner nachaging, 20 ml
<i>Maximum net quantity per inner packaging: 30 ml</i> Maximum net quantity per outer packaging: 500 ml

Printing date 12.11.2020

Version number 1

Revision: 12.11.2020

Trade name: GC G2-BOND Universal Primer

(Contd. of page 8)

· UN "Model Regulation":

UN 1993 FLAMMABLE LIQUID, N.O.S., SPECIAL PROVISION 640D (ACETONE), 3, II

15 Regulatory information

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

· New Zealand Inventory of Chemicals				
67-64-1	acetone			
7732-18-5	Water			
1830-78-0	2-Hydroxy-1,3 dimethacryloxypropane			
70293-55-9	2-[(2-methyl-1-oxoallyl)oxy]ethyl 1,3-dihydro-1,3-dioxoisobenzofuran-5-carboxylate			
	Silane, dichlorodimethyl-, reaction products with silica			
109-16-0	2,2'-ethylenedioxydiethyl dimethacrylate			
10373-78-1	Camphorquinone			
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide			
128-37-0	Butylated hydroxytoluene			
1344-28-1	aluminium oxide			
10287-53-3	ethyl 4-dimethylaminobenzoate			
HSNO Approval numbers				
67-64-1 a	icetone	HSR001070		
109-16-0 2	109-16-0 2,2'-ethylenedioxydiethyl dimethacrylate HSR00376			
128-37-0 E	128-37-0 Butylated hydroxytoluene HSR002784			

• *GHS label elements* The product is classified and labelled according to the Globally Harmonised System (GHS). • *Hazard pictograms*



· Signal word Danger

· Hazard-determining components of labelling:

2,2'-ethylenedioxydiethyl dimethacrylate

· Hazard statements

Unstable explosives. Highly flammable liquid and vapour.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

May cause drowsiness or dizziness.

Harmful to aquatic life with long lasting effects.

Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Do not breathe dusts or mists.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

(Contd. on page 10)

⁻ NZ

Printing date 12.11.2020

Version number 1

Revision: 12.11.2020

Trade name: GC G2-BOND Universal Primer

(Contd. of page 9) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. DO NOT fight fire when fire reaches explosives. Evacuate area. Store in accordance with local/regional/national/international regulations. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. · Directive 2012/18/EU · Named dangerous substances - ANNEX I None of the ingredients is listed. · Seveso category Pla EXPLOSIVES \cdot Oualifying quantity (tonnes) for the application of lower-tier requirements 10 t • Oualifying quantity (tonnes) for the application of upper-tier requirements 50 t· Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information · Relevant phrases 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. H361 Suspected of damaging fertility or the unborn child. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. · Department issuing SDS: Regulatory affairs · Contact: msds@gc.dental · Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International

Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) DNEL: Derived No-Effect Level (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Unst. Expl.: Explosives – Unstable explosive Flam. Liq. 2: Flammable liquids - Category 2 Skin Corr. 1A: Skin corrosion/irritation - Category 1A Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Skin Sens. 1: Skin sensitisation – Category 1 Repr. 2: Reproductive toxicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard - Category 3

(Contd. on page 11)

⁻ NZ

Printing date 12.11.2020

Version number 1

Revision: 12.11.2020

(Contd. of page 10)

NZ

Trade name: GC G2-BOND Universal Primer

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3 **Sources** • ECHA (http://echa.europa.eu/)

• EnviChem (www.echemportal.org)

• * Data compared to the previous version altered.

This version replaces all previous versions.

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