HENRY SCHEIN®
DENTAL

GENERAL BUSINESS: 0800 808 855
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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: | Fuji BOND LC Liquid |
| Manufacturer: | GC Corporation |
| SDS Expiry: | 31 May 2029 |
| Supplier Details: | Henry Schein New Zealand<br>243-249 Bush Road, Rosedale, Auckland, 0632<br>PO Box 101 140, North Shore, Auckland 0745<br>Ph. 0800 808 855<br>www.henryschein.co.nz |
| Emergency Contacts: | Poisons/Hazardous Chemical Info Centre – 0800POISON/0800764766 (24 Hours)<br>Phone 111 for Fire, Ambulance or Police |
| HSNO Class/Category: | 8 / 9 |
| HSNO Group Standard: | Dental Products Corrosive Group Standard 2020 HSR002555 |
| Statements/Pictograms: | As per attached Safety Data Sheet (SDS) |
| Date Prepared: | This coversheet was prepared – October 2025 |

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.

# Safety Data Sheet
**in accordance with HSNO**

*Printing date 31.05.2024* *Version number 4* *Revision: 31.05.2024*

## 1 Identification of the substance or mixture and of the supplier

· **Product identifier**

· **Trade name: GC_Fuji_BOND_LC_Liquid**
· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **Application of the substance / the mixture** Auxillary for dental technology

· **Details of the supplier of the safety data sheet**
Henry Schein Dental

243-249 Bush Road, Rosedale
Auckland 0632, NEW ZEALAND

Free Phone: 0800 808 855

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

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## 2 Hazards identification

· **Classification of the substance or mixture**

| | |
|---|---|
| Skin corrosion Category 1A | H314 Causes severe skin burns and eye damage. |
| Serious eye damage Category 1 | H318 Causes serious eye damage. |
| Skin sensitisation Category 1 | H317 May cause an allergic skin reaction. |
| Hazardous to the aquatic environment chronic Category 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**



GHS05 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**
2-hydroxyethyl metacrylate
Tartaric acid
Urethane Dimethacrylate (UDMA)
· **Hazard statements**
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects.

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· ***Precautionary statements***
*Do not breathe dusts or mists.*
*Wear protective gloves/protective clothing/eye protection/face protection.*
*IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.*
*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.*

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## 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 components:*** | | |
|---|---|---|
| *CAS: 868-77-9*<br>*EINECS: 212-782-2* | *2-hydroxyethyl metacrylate*<br>*Skin irritation Category 2, H315; Eye irritation Category 2, H319; Skin sensitisation Category 1, H317* | *25-<50%* |
| *CAS: 9003-01-4* | *Polyacrylic acid*<br>*Eye irritation Category 2, H319* | *10-<25%* |
| *CAS: 1830-78-0*<br>*EINECS: 217-388-4* | *2-Hydroxy-1,3 dimethacryloxypropane*<br>*Skin irritation Category 2, H315; Eye irritation Category 2, H319; Specific target organ toxicity - single exposure Category 3, H335* | *5-<10%* |
| *CAS: 87-69-4*<br>*EINECS: 201-766-0* | *Tartaric acid*<br>*Serious eye damage Category 1, H318* | *5-<10%* |
| *CAS: 72869-86-4*<br>*EINECS: 276-957-5* | *Urethane Dimethacrylate (UDMA)*<br>*Hazardous to the aquatic environment chronic Category 2, H411; Skin sensitisation Category 1, H317* | *2.5-<5%* |

· ***Additional information:*** *For the wording of the listed hazard phrases refer to section 16.*

## 4 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.*

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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.

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## 5 Fire fighting measures

· **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
· **For safety reasons unsuitable extinguishing agents:** Water
· **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.
· **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.
Avoid contact with the eyes and skin.
Wear protective clothing.
· **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to penetrate the ground/soil.
In case of seepage into the ground inform responsible authorities.
· **Methods and material for containment and cleaning up:**
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.

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## 7 Handling and storage

· **Handling:**
· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

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*Avoid contact with the eyes and skin.*
· ***Information about fire - and explosion protection:*** *Protect against electrostatic charges.*
· ***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.*
· ***Specific end use(s)*** *No further relevant information available.*

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## 8 Exposure controls/personal protection

· ***Additional information about design of technical facilities:*** *No further data; see section 7.*
· ***Ingredients with limit values that require monitoring at the workplace:***
*The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*
· ***Additional information:*** *The lists valid during the making were used as basis.*
· ***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*

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## 9 Physical and chemical properties

| | |
|---|---|
| · ***General Information*** | |
| · ***Appearance:*** | |
| · ***Form:*** | *Liquid* |
| · ***Colour:*** | *Light yellow* |
| · ***Odour:*** | *Odourless* |
| · ***Odour threshold:*** | *Not determined.* |

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| | |
|---|---|
| · **pH-value at 20 °C:** | 1.9 |
| · **Change in condition** | |
| · **Melting point/freezing point:** | Undetermined. |
| · **Initial boiling point and boiling range:** | 100 °C |
| · **Flash point:** | 97 °C |
| · **Flammability (solid, gas):** | Not applicable. |
| · **Auto-ignition temperature:** | Undetermined. |
| · **Decomposition temperature:** | Not determined. |
| · **Ignition temperature:** | Product is not selfigniting. |
| · **Explosive properties:** | Product does not present an explosion hazard. |
| · **Explosion limits:** | |
| · **Lower:** | Not determined. |
| · **Upper:** | Not determined. |
| · **Vapour pressure:** | Not determined. |
| · **Density:** | Not determined. |
| · **Relative density** | Not determined. |
| · **Vapour density** | Not determined. |
| · **Evaporation rate** | Not determined. |
| · **Solubility in / Miscibility with** | |
| · **water:** | Insoluble. |
| · **Partition coefficient: n-octanol/water:** | Not determined. |
| · **Viscosity:** | |
| · **Dynamic:** | Not determined. |
| · **Kinematic:** | Not determined. |
| · **Solvent content:** | |
| · **Water:** | 25.0 % |
| · **VOC (EC)** | 0.0 g/l |
| · **Other information** | No further relevant information available. |

## 10 Stability and reactivity

· **Reactivity** No further relevant information available.
· **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.

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## 11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.

| · **LD/LC50 values relevant for classification:** | | |
|---|---|---|
| **72869-86-4 Urethane Dimethacrylate (UDMA)** | | |
| Oral | LD50 | >5,000 mg/kg (rat female) (OECD 401) |

· **Skin corrosion/irritation** Causes severe skin burns and eye damage.
· **Serious eye damage/irritation** Causes serious eye damage.
· **Respiratory or skin sensitisation** May cause an allergic skin reaction.
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **STOT-single exposure** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.
· **Additional toxicological information:**
· **Repeated dose toxicity** No further relevant information available.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
No further relevant information available.

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## 12 Ecological information

· **Toxicity**

| · **Aquatic toxicity:** | |
|---|---|
| **72869-86-4 Urethane Dimethacrylate (UDMA)** | |
| EC50/48h (static) | >1.2 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.
· **Additional ecological information:**
· **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Danger to drinking water if even small quantities leak into the ground.
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.
· **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.

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## 14 Transport information

· **UN-Number**
· **NZS, IMDG, IATA** not regulated

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| | |
|---|---|
| · **UN proper shipping name** | |
| · **NZS, IMDG, IATA** | not regulated |
| · **Transport hazard class(es)** | |
| · **NZS, ADN, IMDG, IATA** | |
| · **Class** | not regulated |
| · **Packing group** | |
| · **NZS, IMDG, IATA** | not regulated |
| · **Environmental hazards:** | |
| · **Marine pollutant:** | No |
| · **Special precautions for user** | Not applicable. |
| · **Transport in bulk according to Annex II of Marpol and the IBC Code** | Not applicable. |
| · **UN "Model Regulation":** | not regulated |

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## 15 Regulatory information

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

· **New Zealand Inventory of Chemicals**

All ingredients are listed.

· **HSNO Approval numbers**

None of the ingredients is listed.

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



GHS05 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**
2-hydroxyethyl metacrylate
Tartaric acid
Urethane Dimethacrylate (UDMA)
· **Hazard statements**
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects.
· **Precautionary statements**
Do not breathe dusts or mists.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

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*Specific treatment (see on this label).*
*Take off contaminated clothing and wash it before reuse.*
*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.
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

· **Relevant phrases**
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

· **Department issuing SDS:** Regulatory affairs
· **Contact:** msds@gc.dental
· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international 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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin corrosion Category 1A: Skin corrosion/irritation – Category 1A
Skin irritation Category 2: Skin corrosion/irritation – Category 2
Serious eye damage Category 1: Serious eye damage/eye irritation – Category 1
Eye irritation Category 2: Serious eye damage/eye irritation – Category 2
Skin sensitisation Category 1: Skin sensitisation – Category 1
Specific target organ toxicity - single exposure Category 3: Specific target organ toxicity (single exposure) – Category 3
Hazardous to the aquatic environment chronic Category 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Hazardous to the aquatic environment chronic Category 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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