

## **MATERIAL SAFETY DATA SHEET**

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**Number: D-0001 (E)**  
**Date prepared: July 7, 2004**  
**Date revised: December 20, 2010**  
**Revised detail: Format Changed**

### **1. Chemical Product and Company Identification**

**Product code: -**  
**Product name: G-BOND / G-BOND Unit Dose**  
**Company Identification:**  
**GC Corporation, 76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan**  
**Postal code 174-8585, Phone 81-3-3965-1388**

<b>Australian supplier:</b> <b>Henry Schein Halas Dental Co., Ltd.,</b> <b>Sydney – Head Office</b> <b>44 O'Dea Ave, Waterloo, NSW 2017</b> <b>Emergency Phone (02) 9697-6288 / 1300 658822</b> <b>Fax (02) 9697 6250</b>	<b>New Zealand supplier:</b> <b>Henry Schein Regional Ltd</b> <b>23 William Pickering Drive</b> <b>Albany, Auckland</b> <b>Emergency Phone 0800 764 766</b> <b>Fax 0800 808 555</b>
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### **2. Composition / Information on Ingredients**

(% chemical components by WT)

Acetone (CAS 67-64-1)	40%
Distilled water (CAS 7732-18-5)	20%
4-Methacryloxyethyltrimellitate anhydride (CAS 70293-55-9)	15%
Urethane dimethacrylate (CAS 72869-86-4)	10-20%
Triethyleneglycol dimethacrylate (CAS 109-16-0)	10%

### **3. Hazards Identification**

This material is hazardous according to health criteria of NOHSC Australia.

This material is classified as Dangerous Goods as per ADG Code

Poison schedule (SUSDP): None

#### **Hazard Classification**

Xi                      Irritant

#### **R/S Phrase**

R11: Highly flammable.

R36: Irritating to eyes.

R66: Repeated exposure may cause skin dryness or cracking

R67: Vapours may cause drowsiness and dizziness

S9: Keep container in a well-ventilated place

S16: Keep away from sources of ignition - No smoking

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S46: If swallowed, seek medical advice immediately and show this container or label

G-BOND / G-BOND Unit dose

#### 4. First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes. If symptoms persist, get medical attention.

Skin: Immediately wash with water and soap and rinse thoroughly. Get medical attention, if irritation develops.

Ingestion: If symptoms persist, get medical attention.

Inhalation: Supply fresh air and get medical attention if symptoms persist.

#### 5. Fire Fighting Measures

##### Flammable Properties

**Flash Point:** -10 °C

**Flammable Limits % Vol:** LEL 2.5, UEL 13

**Auto Ignition Temperature:** Product is not auto-igniting

**Hazardous Combustion Products:** Formation of toxic gases is possible in case of fire.

**Extinguishing Media:** Chemical foam, carbon dioxide, and dry chemical

**Fire Fighting Instructions:** Wear self-contained breathing apparatus in case of fire.

#### 6. Accidental Release Measures

Eliminate source of ignition. Wear protective equipment and keep unprotected persons away.

Do not allow product to reach sewage system or any watercourse. Prevent seepage into sewage system, workpits and cellars.

Inform respective authorities in case of seepage into watercourse or sewage system.

**Measures for environmental protection:** Do not flush to sewer.

**Measures for cleaning/collections:** Absorb with liquid-binding material. (sand, diatomite, acid binders, universal binders, sawdust), and place in a chemical waste container. Ensure adequate ventilation.

#### 7. Handling and Storage

##### Handling:

Keep Ignition sources away – Do not smoke.

Ensure good ventilation/exhaustion at workplace.

##### Storage:

Store in cool, dry conditions in well sealed receptacles. Keep receptacle tightly sealed.

#### 8. Exposure Controls, Personal Protection

**Respiratory Protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Skin Protection:** Protective gloves.

**Eye Protection:** Tightly sealed goggles.

##### Exposure Guideline(s):

Acetone (67-64-1)

OSHA (PEL): 1000 ppm (TWA)

ACGIH (TLV): 500 ppm (TWA), 1750ppm(STEL) A4 – not classifiable as a human carcinogen

**Engineering Controls:** Ensure adequate and local ventilation.

#### 9. Physical and Chemical Properties

**Appearance:** Light yellowish liquid.

**Odor:** Slight odor like ester

**Boiling Point:** 55 °C

**Vapor Pressure:** Not determined.

**Vapor Density:** Not determined.

**Solubility in Water:** Miscible.

**Specific Gravity:** No data

**Melting Point:** No data

G-BOND / G-BOND Unit dose

**pH:** No data

**Volatility:** Vapor Pressure at 20°C 185mm/Hg

**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

## 10. Stability and Reactivity

**Stability:** Stable

**Incompatibility:** None

**Hazardous Decomposition Products:** No dangerous decomposition products known.

**Hazardous Polymerization:** No dangerous polymerization known.

## 11. Toxicological Information

**Acute Toxicity:**

**on the skin:** Irritant to skin and mucous membranes.

**on the eye:** Irritating effect.

**Additional toxicological information:** Harmful according to the general EU Classification Guidelines.

## 12. Ecological Information

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

## 13. Disposal Considerations

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

Disposal must be made according to the local official regulations.

## 14. Transport Information

**IMO Regulations (IMDG):**

Class: 3

UN Number: 1090

Packing Group: II

Marine Pollutant: No

Proper Shipping Name: Acetone solution

**ICAO and IATA Regulations:**

Class: 3

UN Number: 1090

Packing Group: II

Proper Shipping Name: Acetone solution

## 15. Regulatory Information

**Chemical Inventory Status –**

**Acetone (CAS 67-64-1)**

TSCA EC Japan Australia

Yes Yes Yes Yes

**Federal, State & International Regulations –**

**Acetone (CAS 67-64-1)**

-SARA 302-

-SARA 313-

RQ TPQ

List Chemical Catg.

No No

Yes No

## 16. Other Information

No specific information available.

The information herein is given in good faith, but no warranty expressed or implied, is made.

