

IATA  
UN Number: UN2922  
UN Proper Shipping Name: Corrosive liquid, toxic, n.o.s. (Glutaraldehyde)  
Transport Hazard Class(es)  
Class: 8  
Subsidiary Risk: 6.1(PGII)  
Label(s): 8+6.1  
Packing Group: III  
Environmental Hazards: No  
ERG Code: 8P  
Special Precautions for User: Read safety instructions, SDS and emergency procedures before handling.

IMDG  
UN Number: UN2922  
UN Proper Shipping Name: CORROSIVE LIQUID, TOXIC, N.O.S. (GLUTARALDEHYDE)  
Transport Hazard Class(es)  
Class: 8  
Subsidiary Risk: 6.1(PGII)  
Packing Group: III  
Environmental Hazards  
Marine Pollutant: No  
EmS: F-A, S-B

Special Precautions for User: Read safety instructions, SDS and emergency procedures before handling.  
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not established.

### 15: Regulatory Information

US Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.  
CERCLA Hazardous Substance List (40 CFR 302.4): Not listed.  
SARA 304 Emergency Release Notification: Not regulated.  
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053): Not regulated.  
SARA 302 Extremely Hazardous Substance: Not listed.  
Superfund Amendments and Reauthorization Act of 1986 (SARA)  
SARA 311/312 Hazardous Chemical: Yes  
Classified Hazard Categories:  
Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitization  
SARA 313 (TRI reporting): Not regulated.

Other Federal Regulations  
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.  
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.  
Safe Drinking Water Act (SDWA): Not regulated.  
US State Regulations  
US. Massachusetts RTK - Substance List: Glutaraldehyde (CAS 111-30-8)  
US. New Jersey Worker and Community Right-to-Know Act: Glutaraldehyde (CAS 111-30-8)  
US. Pennsylvania Worker and Community Right-to-Know Law: Glutaraldehyde (CAS 111-30-8)  
US. Rhode Island RTK: Glutaraldehyde (CAS 111-30-8)  
California Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.  
US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a)): Glutaraldehyde (CAS 111-30-8)

International Inventories  
Country(s) or Region Inventory Name On inventory (yes/no)\*

| Country(s) or Region        | Inventory Name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### 16: Other Information, Including Date of Preparation or Last Revision

Issue Date: 21-February-2018  
Revision Date: -  
Version #: 01  
NFPA Ratings:

**WARRANTY:** Clinician's Choice Dental Products Inc. will replace G5, free of charge, if proven to be defective and when stored according to the manufacturer's specifications. Clinician's Choice Dental Products Inc. does not accept liability for any loss or damage, direct or consequential, arising out of the use of or the inability to use this product. Before using, the user shall determine the suitability of the product(s) for its intended use and the user assumes all risk and liability whatsoever in connection therewith.



### INDICATIONS FOR USE

G5™ is an outstanding desensitizing agent that excels in preventing sensitivity associated with the placement of crowns, inlays/onlays, composites or amalgam restorations. G5 also can be used to help desensitize exposed root surfaces, but works best if subsequently sealed with a resin sealing agent or dentin adhesive.

### MECHANISM OF ACTION

G5 reduces sensitivity by killing bacteria and sealing the dentinal tubules. G5 has profound antimicrobial qualities and acts as an excellent disinfectant. Additionally, G5 seals the tubules by coagulating plasma proteins within the tubules, thus forming a series of coagulation plugs in the dentinal tubules. This coagulation phenomenon results in a significant reduction in dentin permeability and fluid flow, which are vital keys to desensitization.

When used with resin-bonded restorations, G5 also acts as a flocculating agent, effectively fostering collagen cross links that result in enhanced collagen bonding. Unlike many one bottle desensitizers, G5 does not adversely affect the bonding of any resin-based restorative materials or cements.

### GENERAL INFORMATION

G5 contains glutaraldehyde, HEMA, and water. The time-proven formulation of G5 has demonstrated outstanding clinical performance for over 15 years.

### USED WITH CROWNS, INLAYS/ ONLAYS

G5 is very effective at preventing sensitivity when applied to crown, inlay or onlay preparations on vital teeth prior to cementation. It can be used in conjunction with all cement types with no adverse effects on retention. G5 also can be used at the "prep" appointment to desensitize the tooth during temporization. However, since G5 is essentially a dentin primer, it should be applied to the tooth only after temporary fabrication when using a bisacryl-type temporary material.

### INSTRUCTIONS FOR USE WITH UNBONDED CROWNS, INLAYS or ONLAYS (Glass Ionomer Cements, Resin-Modified Cements, Zinc Phosphate, or Other Non-Bonding Luting Agents)

- Clean tooth preparation area.
- Dry with air (dryness is not critical).
- Apply G5 to dried tooth using a microbrush or cotton pellet. Avoid soft tissue.
- Wait 30 seconds, then dry with air.
- Place restorative material such as amalgam, castings, etc. (Zinc phosphate and glass ionomer cements work well with G5).

### INSTRUCTIONS FOR USE WITH RESIN-BONDED CROWNS, INLAYS or ONLAYS (Conventional Adhesive Resin Cements)

- Clean tooth preparation area.
- Etch with 10-40% phosphoric acid for 15 to 30 seconds.
- Rinse.
- Dry with air (dryness is not critical).
- Apply G5 using a microbrush or cotton pellet. Avoid soft tissue.
- Wait 30 seconds, then dry or leave moist, per manufacturer's instructions for the bonding agent.
- Direct Restorations: Apply composite bonding agent and composite per manufacturer's instructions.
- Indirect Restorations: Apply composite bonding agent and luting resin per manufacturer's instructions.

### ADDITIONAL TECHNIQUE RECOMMENDATIONS USED WITH POSTERIOR RESIN COMPOSITES

G5 excels at reducing sensitivity associated with posterior composites. It can be effectively used with any one or multi-bottle dentin adhesive that utilizes a classic all-etch approach with a wet bonding technique. G5 is essentially applied after etching but before adhesive primer application as a re-wetting agent in the bonding sequence. G5 does not adversely affect bonds to etched enamel.

### INSTRUCTIONS FOR USE WITH POSTERIOR RESIN COMPOSITES

- Clean tooth preparation area.
- Etch preparation with phosphoric acid per dentin adhesive manufacturer's instructions.
- Rinse thoroughly.
- Lightly dry with air or blot with a cotton pellet to remove visible water. Do not desiccate.
- Re-wet the entire preparation with G5 using a microbrush or cotton pellet. Avoid soft tissue (rinse after application if G5 comes in contact with soft tissue). The dentin should exhibit a glistening appearance. Do not dry.
- Apply dentin adhesive according to the manufacturer's directions.

### USED WITH AMALGAMS

G5 can be used to help prevent post-operative sensitivity associated with conventional amalgam restorations (unbonded).

- Clean tooth preparation.
- Apply G5 using a microbrush or very small cotton pellet. Avoid soft tissue (rinse after application if G5 comes in contact with soft tissue).
- Scrub preparation for 30 seconds. Avoid soft tissue (rinse after application if G5 comes in contact with soft tissue).
- Rinsing of the G5 from the prep after application is optional. Dry prep and proceed with placement of amalgam restoration.

**WARNING!** G5 and other glutaraldehyde-based desensitizers will burn soft tissues. Keep off soft tissues. Avoid contact with eyes, skin, and mucous membranes. If accidental contact occurs, FLUSH IMMEDIATELY WITH WATER. CONSULT PHYSICIAN IMMEDIATELY IF EYE CONTACT OCCURS. Keep away from children.

**STORAGE AND SHELF LIFE:** Expiration date is placed on each G5 bottle. G5 has a three year shelf life when kept below 25°C/77°F.



ALL-PURPOSE  
DENSITIZER

CLINICIAN'S CHOICE  
DENTAL PRODUCTS INC.

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