

Inhalation Vapor LC50	Rat	0.96 mg/l, 4 Hours
Aerosol LC50	Rat	0.28 mg/l, 4 Hours
Oral LD50	Rat	154 mg/kg

Skin Corrosion/Irritation: Causes severe skin burns.
 Serious Eye Damage/Eye Irritation: Causes serious eye damage.
 Respiratory or Skin Sensitization

ACGIH Sensitization
 GLUTARALDEHYDE, ACTIVATED AND INACTIVATED Dermal sensitization (CAS 111-30-8) Respiratory sensitization
 Respiratory Sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sensitization: May cause an allergic skin reaction.
 Germ Cell Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
 Carcinogenicity: Not classifiable as to carcinogenicity to humans.
 IARC Monographs. Overall Evaluation of Carcinogenicity: Not listed.
 NTP Report on Carcinogens: Not listed.
 OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053): Not regulated.

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.
 Specific Target Organ Toxicity - Single Exposure: Not classified.
 Specific Target Organ Toxicity - Repeated Exposure: Not classified.
 Aspiration Hazard: Not an aspiration hazard.
 Chronic Effects: Prolonged inhalation may be harmful.
 Further Information: Symptoms may be delayed.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
 Persistence and Degradability: No data is available on the degradability of this product.
 Bioaccumulative Potential
 Mobility in Soil: No data available for this product.
 Other Adverse Effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
 Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
 Local Disposal Regulations: Dispose in accordance with all applicable regulations.

Hazardous Waste Code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
 Waste from Residues / Unused Products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
 Contaminated Packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

DOT
 UN Number: UN2922
 UN Proper Shipping Name: Corrosive liquids, toxic, n.o.s. (Glutaraldehyde)
 Transport Hazard Class(es)
 Class: 8
 Subsidiary Risk: 6.1(PGIII)
 Label(s): 8+6.1
 Packing Group: III
 Environmental hazards
 Marine Pollutant: No
 Special Precautions for User: Read safety instructions, SDS and emergency procedures before handling.
 Special Provisions: IB3, T7, TP1, TP28
 Packaging Exceptions: 154
 Packaging Non Bulk: 203
 Packaging Bulk: 241

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(PGIII)
 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(PGIII)
 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.

SECTION 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)

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).

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

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



G5™

All-Purpose Desensitizer

Danville Materials, LLC
 2875 Loker Avenue East
 Carlsbad, CA 92010 USA
 (1) 760-743-7744

Distributed by:
 Clinician's Choice Dental Products, Inc
 +1 519.641.3066 clinicianschoice.com



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Identifier: G5 All-Purpose Desensitizer
Other Means of Identification
Recommended Use: Desensitizer.
Recommended Restrictions: None known.
Manufacturer/Importer/Supplier/Distributor Information
Supplier
Company Name:
Danville Materials, LLC
2875 Loker Avenue East, Carlsbad, CA 92010 USA
Distributed by: Clinician's Choice Dental Products, Inc
+1 519.641.3066 clinicianschoice.com
For emergencies or product information +1 519.641.3066
or email info@clinicianschoice.com

SECTION 2: HAZARD(S) IDENTIFICATION

Physical Hazards: Not classified.
Health Hazards:
Acute Toxicity, Oral Category 4
Acute Toxicity, Inhalation Category 3
Skin Corrosion/Irritation Category 1B
Serious Eye Damage/Eye Irritation Category 1
Sensitization, Respiratory Category 1
Sensitization, Skin Category 1A
Environmental Hazards:
Hazardous to the aquatic environment, acute hazard Category 2
Hazardous to the aquatic environment, long-term hazard Category 3
OSHA Defined Hazards: Not classified.
Label Elements:



Signal Word: Danger
Hazard Statement: Harmful if swallowed. Toxic if inhaled. Causes severe skin burns and eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary Statement:
Prevention:
Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. Avoid release to the environment.

Response:
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
If swallowed: Rinse mouth. Do NOT induce vomiting.
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.
If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor.
Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) Not Otherwise Classified (HNOC)
Corrosive to the respiratory tract.
Supplemental Information: None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures			
Chemical name	CAS number	%	
Water	7732-18-5	50 - 70	
Glutaraldehyde	111-30-8	1 - 10	

Composition Comments:
The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret. All concentrations are in percent by weight. Components not listed are either non-hazardous or are below reportable limits.

SECTION 4: FIRST-AID MEASURES

Inhalation:
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Skin Contact:
Remove contaminated clothing immediately and wash skin with soap and water. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye Contact:
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion:
Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most Important Symptoms/Effects, Acute and Delayed:
Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Difficulty in breathing. May cause an allergic skin reaction. Dermatitis. Rash. Causes digestive tract burns. Causes respiratory tract burns.
Indication of Immediate Medical Attention and Special Treatment Needed:
Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance.

Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General Information:
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from The Chemical: During fire, gases hazardous to health may be formed.
Special Protective Equipment and Precautions for Fire-Fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-Fighting Equipment/Instructions: Move containers from fire area if you can do so without risk.
Specific Methods: Use standard firefighting procedures and consider the hazards of other involved materials.
General Fire Hazards: This material will not burn until the water has evaporated. Residue can burn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and Materials for Containment and Cleaning-Up:
Prevent product from entering drains.
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental Precautions:
Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:
Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. Persons susceptible to allergic reactions should not handle this product. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for Safe Storage, Including any Incompatibilities:
Keep away from heat. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits		
US. ACGIH Threshold Limit Values	Type	Value
Glutaraldehyde (CAS 111-30-8)	Ceiling	0.05 ppm

US. NIOSH Pocket Guide to Chemical Hazards		
Components	Type	Value
Glutaraldehyde (CAS 111-30-8)	Ceiling	0.8 mg/m3 0.2 ppm

Biological Limit Values: No biological exposure limits noted for the ingredient(s).
Appropriate Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate. Eye wash facilities and emergency shower must be available when handling this product.

Individual Protection Measures, such as Personal Protective Equipment
Eye/Face Protection: Wear safety glasses with side shields (or goggles) and a face shield. Wear a full-face respirator, if needed.
Skin Protection/Hand Protection: Wear appropriate chemical resistant gloves. Nitrile or butyl rubber gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.
Skin Protection/Other: Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Wear NIOSH approved respirator appropriate for airborne exposure at the point of use.
Thermal Hazards: Wear appropriate thermal protective clothing, when necessary.
General Hygiene Considerations: Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Physical State: Liquid.
Form: Liquid.
Color: Not available.
Odor: Not available.
Odor Threshold: Not available.
pH: Not available.
Melting Point/Freezing Point: Not available.
Initial Boiling Point and Boiling Range: Not available.
Flash Point: Does not flash.
Evaporation Rate: Not available.
Flammability (solid, gas): Not applicable.

Upper/Lower Flammability or Explosive Limits
Explosive Limit - Lower (%): Not available.
Explosive Limit - Upper (%): Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Relative Density: Not available.
Solubility(ies)
Solubility (Water): Not available.
Partition Coefficient (n-octanol/water): Not available.
Auto-ignition Temperature: Not available.
Decomposition Temperature: Not available.
Viscosity: > 20.5 mm²/s
Viscosity Temperature: 104 °F (40 °C)
Other Information
Explosive Properties: Not explosive.
Oxidizing Properties: Not oxidizing.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability: Material is stable under normal conditions.
Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.
Conditions to Avoid: Contact with incompatible materials. Excessive heat.
Incompatible Materials: Strong oxidizing agents. Free radical initiators. Peroxides. Steel.
Hazardous Decomposition Products: Thermal decomposition of this product can generate carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure
Inhalation: Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Causes respiratory tract burns.
Skin Contact: Causes severe skin burns. May cause an allergic skin reaction.
Eye Contact: Causes serious eye damage.
Ingestion: Harmful if swallowed. Causes digestive tract burns.
Symptoms Related to the Physical, Chemical and Toxicological Characteristics: Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Difficulty in breathing. May cause an allergic skin reaction. Dermatitis. Rash. Causes digestive tract burns. Causes respiratory tract burns.
Information on Toxicological Effects
Acute Toxicity: Toxic if inhaled. Harmful if swallowed.

Components	Species	Test Results
Glutaraldehyde (CAS 111-30-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg