

SAFETY DATA SHEET**SECTION 1 - Identification**

Common Name:	BlissEtch® Universal Etchant with 5% Glutaraldehyde
Manufacturer:	CAO (China) Medical Equipment Co., Ltd. No. 19 Baihe Road, Langfang EDTZ Hebei Province, China P.C: 065001 Tel: 86.316.6083456
Distributor:	CAO Group, Inc. 4628 West Skyhawk Drive West Jordan, UT 84084-4501 U.S.A. Phone 877.236.4408 (M-F 8-5, GMT-7) Email: info@caogroup.com
Recommended Use:	Tooth etchant
Restrictions on Use:	Not for use on skin or oral soft tissues.
Chemical Name:	Mixture
Chemical Family:	Not applicable
Chemical Formula:	Mixture
CAS#:	Mixture
TSCA 8(b):	Glutaraldehyde, water

SECTION 2 - Hazards Identification

Physical Hazard:	None
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Health Hazard: Acute Toxicity: Category 2
Skin Corrosion: Category 1C
Eye Corrosion: Category 1
DANGER: May be fatal if swallowed. Causes severe skin burns and eye damage.



Environment Hazard: Acute Aquatic Hazard: Category 2
Chronic Aquatic Hazard: Category 2
Toxic to aquatic life with long lasting effects.

Potential Acute Health Effects: Irritating to eyes and skin. Hazardous if ingested.
Residual contamination if not cleansed may cause sensitivity.

Hazard Statements: H300: Fatal if swallowed
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H401+H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements: P260: Do not breathe mist or spray.
P264: Wash hands thoroughly after handling.
P270: do not eat, drink, or smoke when using this product.
P280: Wear protective gloves, clothing, and eye protection.
P301+P303+P304+P305+P310: If swallowed, inhaled, or on skin or in eyes: Contact a poison control center or physician immediately.
P321+P330+P331+P338+P340+P351: If not breathing, remove to fresh air and give artificial respiration. If ingested, rinse mouth, do not induce vomiting unless directed by medical personnel. If on skin, cautiously flush with water for 15 minutes. If in eyes, remove contacts if safe to do so, then cautiously flush with water for 15 minutes.
P361+P363: Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

P405: Store locked up.

P501: Dispose of contents/container consistent with national, regional, and municipal regulations.

HMIS	Health	Flammability	Physical
	3	0	0

SECTION 3 - Composition and Information on Ingredients

Component Name	CAS#	wt%	Common Names/ Synonyms
Glutaraldehyde	111-30-8	5	Glutaral
Water	7732-18-5	90-95	--
Proprietary organic acid	--	1-5	--

SECTION 4 - First Aid Measures

Eye Contact:	Check for and remove contact lenses immediately. Cautiously flush with water for 15 minutes. Contact a physician.
Skin Contact:	Flush with plenty of water for 15 minutes. Contact a physician if redness or irritation persists for more than 30 minutes.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial breathing. Seek medical help immediately.
Ingestion:	Rinse mouth. Do not induce vomiting. Seek medical attention immediately.

SECTION 5 - Fire and Explosion

Flammability:	Not Flammable
Special Protective Equipment for Firefighting:	Self-contained breathing apparatus. Protective clothing.
Products of Combustion:	Carbon monoxide, carbon dioxide, nitrogen oxides, oxygen, chlorine oxides.
Hazards in Presence of Various Substances:	Not Available

Fire Fighting Media
and Instructions:

Water spray or Class A extinguisher.

SECTION 6 - Accidental Release Measures

Personal Precautions:	Wear protective gloves and protective eyewear. Wear a protective apron or smock.
Environmental Precautions:	If safe to do so, establish containment to prevent material from entering drains.
Small Spill:	Wipe up excess with wet cloth. Use wet cloth or mop to remove residual material. Dispose of rinse water consistent with national, regional, and municipal regulations.
Large Spill:	Keep away from heat or ignition sources. Contain spill if without risk. Prevent the material from entering drains or sewage systems. Use absorbent earth or similar material. Remove residual material with a wet cloth or mop. Dispose of rinse water consistent with national, regional, and municipal regulations.

SECTION 7 - Handling and Storage

Precautions:	Do not expose to excessive temperatures. Avoid contacting the material with skin or clothing. Store away from incompatible materials such as strong bases.
Storage:	Store material at room temperature in a dry, well ventilated environment. Do not heat above 100°F/38°C, or cool below 32°F/0°C. Keep container tightly closed when not in use.

SECTION 8 - Exposure Controls / Personal Protection

Engineering Controls:	Ensure adequate ventilation in the working area to prevent build-up of vapors.
General Hygiene Measures:	Avoid contacting the material with skin. Avoid contact with eyes. Avoid ingesting. Wash hands after handling.
Respiratory Protection:	Not Applicable
Hand Protection:	Protective gloves (nitrile).
Eye Protection:	Protective glasses.

Skin/Body
Protection:

None when used according to directions.

SECTION 9 - Physical and Chemical Properties

Physical State:	Liquid	Color:	Clear
Molecular Weight:	Mixture	Vapor Pressure:	Not Available
pH:	2.5	Vapor Density:	Not Available
Boiling Point:	Not Available	Solubility:	Soluble
Melting Point:	Not Available	Dispersion Properties:	Not Available
Flash Point:	Not Available	Odor:	Slight pungent, acrid
Specific Gravity:	~1	Odor Threshold:	Not Available
Ionicity:	Not Available	Taste:	Not Available

SECTION 10 - Stability and Reactivity

Stability:	Stable.
Instability Temperature:	Not Available
Conditions to Avoid:	High temperatures in conjunction with strong alkalis.
Materials to Avoid:	Oxidizing agents, metals, alkalis, amines.
Other Comments:	May be corrosive to some metals.

SECTION 11 - Toxicological Information

Acute Toxicity:	LD50: 24 mg/kg (oral/rat, sum of percentage method)
Skin Corrosion/Irritation:	Corrosive to exposed skin.
Eye Damage/Irritation:	Serious damage to eyes.
Respiratory Risk/Sensitization:	Not Available
Mutagenicity:	Not Available

Carcinogenicity:	Not Available
Reproductive Toxicity:	Not Available
Organ-Specific Hazard:	Not Available

SECTION 12 - Ecological Information

Ecotoxicity:	May present acute and long-term aquatic hazard.
Products of Biodegradation:	Not Available
Toxicity of the Products of Biodegradation:	Not Available
Special Remarks on the Products of Biodegradation:	Not Available

SECTION 13 - Disposal Considerations

Waste Disposal:	Waste must be disposed of in accordance with national, regional, and municipal regulations.
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SECTION 14 - Transport Information

Identification:	Toxic Liquid, Organic
UN Number:	UN2810
UN Shipping Name:	Glutaraldehyde solution
DOT Classification:	Class 6.1: PG III
IMDG Classification:	Class 6.1: PG III
IATA Classification:	Class 6.1: PG III

SECTION 15 - Other Regulatory Information and Pictograms

U.S. Federal and State Regulations:	California Director's List of Hazardous Substances: Glutaraldehyde Florida: Glutaraldehyde Massachusetts RTK: Glutaral New Jersey RTK: Glutaral Pennsylvania RTK: Glutaral
California Prop 65 Warnings:	This product does not contain any chemicals known to the State of California to cause cancer, birth, defects, or any other reproductive harm.

Other Regulations: Not Available

Other Classifications: Not Available

SECTION 16 - Other Information

This document is not intended to be all-inclusive. There may be situations or conditions where the use or combination of this product with other materials may result in a hazardous situation. This document applies only to the chemical as packaged. Whereas, there may be unknown conditions or risks, it is the responsibility of the user to exercise appropriate safety measures when handling this material, making use of this information as a guide only in practicing appropriate precautions. This information is believed to be correct, but the CAO Group makes no guarantee as to the accuracy and thoroughness of this information.

Changes Since Last Revision: Reformatted according to GHS provisions. Reviewed and assigned classification according to new GHS procedure.

Prepared/Updated By: Rob Larsen

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