

SAFETY DATA SHEET

SECTION 1 - Identification

Common Name:	BlissBond® Universal Bonding System
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:	Dental tooth restoration
Restrictions on Use:	Do not use on patients with known sensitivities to ethanol or methacrylate resins. Avoid contact with oral soft tissues. Avoid contact with blood and saliva.
Chemical Name:	Active ingredient: Acrylic resins, photoinitiators
Chemical Family:	Not applicable
Chemical Formula:	Mixture
CAS#:	Mixture
TSCA 8(b):	Mixture

SECTION 2 - Hazards Identification

Physical Hazard: Flammable liquid: Category 3



WARNING: Flammable liquid and vapor.

Health Hazard: Acute Toxicity: Category 5
Mild Skin Irritation: Category 3
Eye Irritation: Category 2A



WARNING: May be harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation.

Environment Hazard: Not Available

Potential Acute Health Effects: Irritating to eyes and skin. Hazardous if ingested.

Hazard Statements: H226: Flammable liquid.
H303: May be harmful if swallowed.
H316: Causes mild skin irritation.
H319: Causes serious eye irritation.

Precautionary Statements: P210: Keep away from heat, sparks, open flames, or hot surfaces. No smoking.
P233: Keep container tightly closed.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P264: Wash hands/skin with soap and water if product contacts these surfaces.
P280: Wear protective gloves, protective clothing, and eye protection when using this product.
P303+P312: If on skin, call a doctor or poison control center if you feel unwell.
P305+P313: If in eyes, seek medical advice or attention.
P332+P353: If skin irritation occurs, rinse skin with water.

P337+P338+P351: If eye irritation persists, remove contact lenses if present and easy to do. Continue rinsing cautiously with water for several minutes.
 P361: Take off immediately all contaminated clothing.
 P370+P378: In case of fire, use water spray or Class A extinguisher.
 P403+P235: Store in a well-ventilated place. Keep cool.
 P501: Dispose of contents/container in accordance with national, regional, and municipal regulations.

HMIS	Health	Flammability	Physical
	1	2	1

SECTION 3 - Composition and Information on Ingredients

Component Name	CAS#	wt%	Common Names/ Synonyms
Ethanol	64-17-5	30-60	Ethyl Alcohol
Benzocaine	94-09-7	20	--
Proprietary resin	--	10-40	--

SECTION 4 - First Aid Measures

Eye Contact:	Check for and remove contact lenses immediately. Flush with plenty of 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:	Do not induce vomiting. Seek medical attention.

SECTION 5 - Fire and Explosion

Flammability:	Flammable
Special Protective Equipment for Firefighting:	Self-contained breathing apparatus. Protective clothing.

Products of Combustion:	Carbon monoxide, carbon dioxide, nitrogen oxides, oxygen.
Hazards in Presence of Various Substances:	Flammable in the presence of open flame, sparks, or heat.
Fire Fighting Media and Instructions:	Water spray, carbon dioxide, dry chemical 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 cloth moistened with a soap solution. Use wet cloth or mop to remove residual material.
Large Spill:	Keep away from heat or ignition sources. Contain spill if without risk. Prevent the material from entering drains or sewage systems, or confined areas. Use absorbent earth or similar material. Remove residual material with a wet cloth or mop.

SECTION 7 - Handling and Storage

Precautions:	Keep away from heat and ignition sources. Avoid contacting the material with skin or clothing.
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 (latex or nitrile).
Eye Protection:	Protective glasses.
Skin/Body Protection:	None when used according to directions.

SECTION 9 - Physical and Chemical Properties

Physical State:	Liquid	Color:	Yellow
Molecular Weight:	Mixture	Vapor Pressure:	Not Available
pH:	Not Applicable	Vapor Density:	Not Available
Boiling Point:	Not Available	Solubility:	Slightly soluble
Melting Point:	Not Available	Dispersion Properties:	Not Available
Flash Point:	58°C (open cup)	Odor:	Acrylic
Specific Gravity:	~1.1	Odor Threshold:	Not Available
Ionicity:	Not Available	Taste:	Alcohol

SECTION 10 - Stability and Reactivity

Stability:	Stable
Instability Temperature:	Not Available
Conditions to Avoid:	Incompatible materials, excess heat, open flame or spark source.
Materials to Avoid:	Strong bases
Other Comments:	Product contains ethanol. Ethanol is known to react violently or explosively with the following compounds: Chlorates and perchlorates, strong hydroxides, bromine pentafluoride, perchloric acid, potassium dioxide, chromium trioxide, potassium permanganate, silver perchlorate, acetyl halogens, ammonia + silver nitrate, halogens, isocyanates, chromic anhydride, and chromates. Ethanol reacts vigorously with platinum or sodium metal to evolve hydrogen gas.

SECTION 11 - Toxicological Information

Acute Toxicity:	LD50: 7175 mg/kg (oral/rat, sum of percentage of knowns method)
Skin Corrosion/Irritation:	Mild irritation to exposed skin.
Eye Damage/Irritation:	Irritation 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:	Not Available
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:	Combustible Liquid
UN Number:	UN1170
UN Shipping Name:	Ethanol
DOT Classification:	Class 3: PG III
IMDG Classification:	Class 3: PG III
IATA Classification:	Class 3: PG III

SECTION 15 - Other Regulatory Information and Pictograms

U.S. Federal and State Regulations:	California: Director's List of Hazardous Substances (8 CCR 339): Ethyl alcohol Connecticut hazardous material survey: Ethyl alcohol Florida: Ethyl alcohol Illinois toxic substances disclosure to employee act: Ethyl alcohol Massachusetts RTK: Ethyl alcohol Massachusetts spill list: Ethyl alcohol Minnesota: Ethyl alcohol New Jersey RTK: Ethyl alcohol Pennsylvania RTK: Ethyl alcohol Rhode Island RTK: Ethyl alcohol Tennessee: Ethyl alcohol
California Prop 65 Warnings:	This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm: Ethyl alcohol
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.
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