

Material Safety Data Sheet
may be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)

Identify (As used on Label and List)

Product Name: Joy Bond Product Code:JB

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

3D Dental Design & Development
16871 Chagrin Blvd. Suite434
Shaker Heights, OH 44120

Phone 877-605-8061
Emergency: Chemtrec 800-424-9300

Intended Use: Dental Bonding Material.
Limitations on Use: For use only by dental professionals.

SECTION II - INGREDIENTS

INGREDIENTS:

Bisphenol A Diglycidyl Methacrylate (CAS # 001565-94-2), and Triethylene Glycol Dimethacrylate (CAS # 109-16-0)
TLV: Not Available

SECTION III – HAZARDS IDENTIFICATION

-Emergency Overview

Physical form, Odor, Color, and Grade: Liquid, characteristic odor, yellow liquid, and viscous.

-Environmental and Physical Hazards

Flammable Liquid.

-Health Hazards

Overexposure may cause eye irritation, allergic reactions, dry skin, dyspepsia, vertigo and nausea.

This document has been prepared in accordance with the US OSHA Hazard Communication Standard, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The risk of the hazards communicated in this document may vary depending upon the potential for exposure.

-Potential Health Effects

Skin, Effects of Overexposure: May cause irritation

Skin, First Aid Procedures: Wash with soap and water. If irritation persists, get medical attention.

Eyes, Effects of Overexposure: May cause irritation. Flush promptly with large amount of water for 15 minutes and get medical attention.

Inhalation, Effects of Overexposure: A very large amount of uncured material can cause Dyspepsia, Nausea, Vertigo.

Ingestion, First Aid Procedures: Consult a physician promptly.

-Carcinogenicity: No information Available.

SECTION IV – FIRST AID MEASURES:

Inhalation -	If overexposure occurs and symptoms appear, consult a physician.
Ingestion -	If substantial quantities are involved, or in case of noticeable discomfort, drink large quantities of water and consult physician immediately.
Skin Contact -	Flush with water; consult physician in case of lasting noticeable skin response.

Eye Contact - Flush immediately with copious amounts of water, consult a physician if irritation or disturbance in vision occur.

SECTION V – FIRE FIGHTING MEASURES

- Extinguishing Agents: Foam, carbon dioxide or dry material.
- Protective Equipment: Wear self-contained respiratory protective device and a fully protective suit.

SECTION VI – ACCIDENTAL RELEASE MEASURES

In case of material spill or release, absorb with inert materials such as dry sand and place in closed container for disposal as solid waste. If large quantities are involved, check State and Local regulations.

SECTION VII – HANDLING AND STORAGE

HANDLING PRECAUTIONS: Keep materials capped all the time after use.

SAFE STORAGE CONDITIONS: Avoid storage at storage at elevated temperatures. Store at room temperature (68-72° F) and out of direct light.

SECTION VIII – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection: Face mask recommended for prolonged exposure.

Eye Protection: OSHA approved goggles.

Protective Gloves: Yes.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Form- Liquid
	Color- Yellow
	Odor- Resin Like
Melting Point:	N/A
Boiling Point:	N/A
Flash Point:	97C / 206°F
Auto Ignition Temperature:	N/A
Danger of Explosion:	Unlikely
Density:	1-1.2 g/cm3
Vapor Pressure:	N/A
Viscosity:	Fluid
pH:	N/A
Soluble in Water:	YES

SECTION X – STABILITY AND REACTIVITY

Stability: Stable

Materials and Conditions to Avoid: Heat

Hazardous Polymerization: Carbon monoxide, carbon dioxide and irritant vapors or gases.

SECTION XI – TOXICOLOGICAL INFORMATION

None Available.

SECTION XII – ECOLOGICAL INFORMATION

None Available.

SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose in accordance with Federal, State, and local regulations.

EPA Hazardous Waste Number (RCRA): Non-Hazardous

SECTION XIV – TRANSPORT INFORMATION

Not classified as dangerous goods.

SECTION XV – REGULATORY INFORMATION

Contact 3D Dental for more information regarding regulatory information.

SECTION XVI – OTHER INFORMATION

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