

Material Safety Data Sheet

Issued: 05/06/2011

Revision Number: 4

1. Identification of Substance /Preparation and Company /Undertaking

Product Name: ALL-BOND 3

Manufacturer: Bisco, Inc. 1100 W Irving Park Road, Schaumburg, IL 60193 USA

Telephone: 1-847-534-6000, during normal business hours

Emergency CHEMTREC - 24-Hour Hazmat Emergency Communications Center

Telephone Number: Domestic: 1-800-424-9300 Outside the U.S.: 1-703-527-3887, collect calls accepted

EC Representative: Bisico France, 120, allée de la Coudoulette, 13680 Lançon de Provence, France
Telephone: 33-4-90-42-92-92

2. Composition/Information on Ingredients

Ingredient	Concentration Range (%)	CAS Number	Symbol/Risk Classificaton	OSHA PEL (mg/m3)	ACGIH (mg/m3)	LD50 (mg/kg, rat/oral)
Ethanol (Part A).	>50.	64-17-5.	F; R11.	1900.	1880.	7060.
NTG-GMA Salt (Part A).	>1.0.	211810-95-6.	Xi; R36/37/38	15.	10.	N/D.
Bis-GMA (Part B).	>20.	1565-94-2.	Xi; R36/38/43.	N/D.	N/D.	N/D.
HEMA (Part B).	>20.	868-77-9.	Xi; R36/38/43.	N/D.	N/D.	5050.
BPDM (Part B)	>1.0	Proprietary	Xi; R36/38/43	N/D	N/D	N/D

3. Hazards Identification

Part A- F: FLAMMABLE; R11: Highly Flammable. Xi IRRITANT. Part B- Xi IRRITANT.
Refer to Section 15- REGULATORY INFORMATION for RISK/SAFETY information.

4. First-aid Measures

Inhalation: Provide fresh air and rest.

Skin Contact: Wash with soap and water.

Eye Contact: Flush with running water for at least 15 minutes while keeping eye lids open; seek medical attention.

Ingestion: Drink two glasses of water or milk. Seek medical attention if a substantial amount has been ingested.

5. Fire-fighting Measures

Fire-fighting media: Dry chemical powder, foam or carbon dioxide.

Fire and explosion risks: Upon combustion, irritating gases may form.

6. Accidental Release Measures

Personal Precautions: Prevent skin/eye contact.

Environmental Precautions: Avoid ground water contamination.

Methods for Cleaning Up: Wipe with damp paper towel. Discard properly.

7. Handling and Storage

Store in ventilated cool dry place (20°C/68°F - 25°C/77°F), avoid high light intensity >10000 lux, This product is used exclusively for dental purposes by trained personnel.

8. Exposure Controls / Personal Protection

Eye Protection: Use protective eyewear.

Hand Protection: Use protective gloves.

Respiratory Protection: Avoid prolonged breathing of vapors of uncured material.

Skin Protection: Use Any necessary hygiene measures.

9. Physical / Chemical Properties

Appearance	Clear liquid	Vapor Pressure @ 20C/68F	44.6 mmHg Part A
Color	Part A: pale yellow, Part B: clear yellow	Miscibility	Yes
Odor	Odor of alcohol	Vapor Density	N/A
Solubility (H ₂ O, fat)	Miscible	pH	>4
Boiling Point / Range	>78°C / 172°F Part A	Evaporation Rate	N/A
Melting Point / Range	<-144°C / -227°F Part A	Viscosity	N/A
Flash Point	14°C/57°F Part A	Partition Coefficient	N/A
Conductivity	N/A	Autoflammability	N/A
Explosive Properties	N/A	Flammability	Yes Part A
Oxidizing Properties	N/A	Relative Density	0.8-1.2

10. Stability and Reactivity

Stable. Avoid high temperatures.

11. Toxicological Information

Eye Contact: Irritates the eyes.

Skin Contact: Irritates the skin.

Sensitization: May cause sensitization by skin contact.

Other: N/A.

12. Ecological Information

N/A

13. Disposal Considerations

Refer to any Community provisions relating to waste. In their absence, refer to National or Regional provisions relating to waste.

14. Transport Information

No special precautions.

15. Regulatory Information

Classification: PART A F: FLAMMABLE, R11 HIGHLY FLAMMABLE; Xi IRRITANT, R:36/37/38 Irritating to eyes, respiratory system and skin R:43 May cause sensitization by skin contact.
PART B Xi IRRITANT, R:36/38 Irritating to eyes and skin R:43 May cause sensitization by skin contact.

Safety: PART A and B: S2: Keep out of reach of children. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28: After contact with skin, wash immediately with plenty of water.

16. Other Information

Revision Date: 05/06/2011 Replaces MSDS dated: 11/20/2008
Revision Number: 4 Product: ALL-BOND 3

This information is believed to be correct as of the date of this MSDS. The manufacturer makes no representation as to the completeness or accuracy of this information and supplies it on the condition that the person receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will the manufacturer be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.

NOTE: CHEMTREC provides an emergency telephone number in the event of an emergency for leak, fire, exposure or accident involving the hazardous material that is being shipped. All non-emergency inquiries should be directed to Bisco during normal working hours.