

Material Safety Data Sheet

ALL-BOND 3

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 Telephone Number: CHEMTREC - 24-Hour Hazmat
Emergency Communications Center
Domestic: 1-800-424-9300 Outside the U.S.: 1-703-527-3887, collect calls accepted
CE Administrator: Bisico France, B.P. 60, 'L-Opera'-13680 Lancon de Provence
Emergency Telephone: (33)490.42.92.92

2. Composition/Information on Ingredients

Ingredient	Concentration Range (%)	CAS Number	Symbol/Risk Classification	OSHA PEL (mg/m3)	ACGIH (mg/m3)	LD50 (mg/kg, rat/oral)
Ethanol (Part A)	>90	64-17-5	F; R11	1900	1880	7060
NTG-GMA Salt (Part A)	>1	211810-95-6	Xi; R36/37/38 Xi; R36/38/43	15	10	N/D
Bis-GMA (Part B)	>40	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)	>5	Proprietary		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. Firefighting Measures

Firefighting 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 (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 (H2O, fat)	Miscible	pH	>4
Boiling Point/Range	>78C / 172F Part A	Evaporation Rate	N/A
Melting Point/Range	<-144C / -227F Part A	Viscosity	N/A
Flash Point	14C/57F 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: 3/18/2009

Replaces MSDS dated: 11/20/2008

Revision Number: 2

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

Material Safety Data Sheet

ALL-BOND 3 Resin

1. Identification of Substance/Preparation and Company/Undertaking

Product Name: ALL-BOND 3 Resin

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

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

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Emergency Communications Center

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Emergency Telephone: (33)490.42.92.92

2. Composition/Information on Ingredients

Ingredient	Concentration Range (%)	CAS Number	Symbol/Risk Classification	OSHA PEL (mg/m3)	ACGIH (mg/m3)	LD50 (mg/kg, rat/oral)
Bis-GMA	>10	1565-94-	Xi; R36/R38-	N/D	N/D	N/D
Urethane	>10	2	R43	N/D	1	N/D
Dimethacrylate	>10	72869-86-	N/A	N/D	N/D	10837
Triethyleneglycol	>40	4	Xi; R36/37/38	0	0	N/D
Dimethacrylate		109-16-0	N/A	5	5	
Glass Filler		65997-18-4				

3. Hazards Identification

Irritant, Irritates the eyes, respiratory system and skin. May cause sensitization by skin contact.,

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. Firefighting Measures

Firefighting 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 towels, Discard properly,

7. Handling and Storage

Store in ventilated cool dry place (10000 lux; this product is used exclusively for dental purposes by trained personnel;

8. Exposure Controls/Personal Protection

Eye Protection: Use protective eyewear and surgical face mask;
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	Viscous liquid	Vapor Pressure @ 20C/68F	N/A
Color	Straw	Miscibility	N/A
Odor	Slight acrylic	Vapor Density	N/A
Solubility (H2O, fat)	Insoluble in water	pH	N/A
Boiling Point/Range	>150 C/300 F	Evaporation Rate	N/A
Melting Point/Range	N/A	Viscosity	N/A
Flash Point	>75 C/167 F	Partition Coefficient	N/A
Conductivity	N/A	Autoflammability	N/A
Explosive Properties	N/A	Flammability	N/A
Oxidizing Properties	N/A	Relative Density	>1

10. Stability and Reactivity

Avoid high temperatures; and high light intensity (>10000 lux);

11. Toxicological Information

Eye Contact: Irritates the eyes;
Skin Contact: May irritate the skin;
Sensitization: May cause allergic reaction on contact with the skin;
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: Xi Irritant, R36 Irritating to eyes., 37 Irritating to respiratory system.,

R38 Irritating to skin., R43 May cause sensitization by skin contact.,

Safety:

Refer to any applicable National laws,

16. Other Information

Revision Date: 3/2/2010

Replaces MSDS dated: 02/05/2007

Revision Number: 2

Product: ALL-BOND 3 Resin

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