

SDS SAFETY DATA SHEET



SDS Number: BD3121, BD3131, BD3141 Structural Acrylic Bonding Part B Activator
Page 1 of 7

Revision No.: 2
Date: 01/03/2020

Section 1 IDENTIFICATION

Product Name: BD3121, BD3131, BD3141 Structural Acrylic Bonding Part B Activator

Manufacturer: Big Dog Adhesives, LLC
615 S 4th Street
Elkhart, INDIANA, USA 46516-2717
Phone: 1-833-244-3644 (1-833-BIG-DOGG) Fax: 1-833-244-3649 (1-833-BIG-DOGZ)
Email: sales@bigdogadhesives.com Website: www.bigdogadhesives.com



Trade Name: BD3121, BD3131, BD3141 Structural Acrylic Bonding Part B Activator

Materials Uses: High strength acrylic adhesive for bonding fiberglass, steel, aluminum, and various substrates together. Ratio 10 Parts A Resin to 1 Part B Activator product has high flexural strength and tensile strengths.

In Case of Emergency Contact CHEMTREC: 800-424-9300 (USA) +1-703-527-3887

Section 2 HAZARD IDENTIFICATION

GHS Classification:

CATEGORY	SIGNAL WORD	HAZARD STATEMENT(S)
Physical Organic Peroxides, Type F	WARNING	H242 – Heating may cause a fire
Health Acute Oral Toxicity, Category 4 Skin Irritation, Category 2 Serious Eye Irritation, Category 2 Skin Sensitization, Category 1 STOT SE, Category 3	WARNING WARNING WARNING WARNING WARNING	H302 – Harmful if swallowed H315 – Causes serious skin irritation H319 – Causes serious eye injury H317 – May cause an allergic skin reaction H335 – May cause a respiratory irritation



GHS Precaution Statements:

Prevention:

- P210 – Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 – Keep container tightly closed.
- P240 – Ground/Bond container and receiving equipment.
- P241 – Use explosion-proof electrical/ventilating/lighting equipment.
- P242 – Use only non-sparking tools.
- P243 – Take precautionary measures against static discharge.
- P260 – Do not breathe dust/fume/gas/mist/vapors/spray.

SDS SAFETY DATA SHEET



SDS Number: **BD3121, BD3131, BD3141 Structural Acrylic Bonding Part B Activator**
Page 2 of 7

Revision No.: 2
Date: 01/03/2020

- P261 – Avoid breathing dust/fume/mist/vapors/spray.
- P264 – Wash hands (or other affected skin surfaces) thoroughly after handling.
- P270 – Do not eat, drink, or smoke when using this product.
- P271 – Use only outdoors or in a well-ventilated area.
- P272 – Contaminated work clothing should not be allowed out of the workplace.
- P273 – Avoid release to the environment
- P280 – Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- P301/P330/P331 – IF SWALLOWED: Rinse mouth. Do not induce vomiting.
- P302/P352 – IF ON SKIN: Wash with plenty of soap and water.
- P303/P361/P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304/P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305/P351/P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 – Immediately call a POISON CENTER or doctor/physician.
- P312 – Call a POISON CENTER or doctor/physician if you feel unwell.
- P333/P313 – If skin irritation or rash occurs get medical advice/attention.
- P362/P364 – Take off contaminated clothing and wash it before reuse.
- P363 – Wash contaminated clothing before reuse.
- P370/P378 – In case of fire: Use dry chemical or CO₂ to extinguish small fires. Use water for large fires.

Storage:

- P403 – Store in a well-ventilated place.
- P405 – Store locked up.
- P410 – Protect from sunlight.
- P411 – Store at temperatures not exceeding 25°C (75°F).

Disposal:

- P501 – Dispose of contents/containers in accordance with local/regional/national/international regulations.

Route of Entry: Eye contact, skin contact, inhalation, and ingestion.

Target Organs: Skin, eyes, respiratory system, digestive system.

Skin Contact: May cause skin irritation; itching, redness, rashes, hives, burning and swelling. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material.

Eye Contact: May cause moderate irritation, burning sensation, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent damage.

Respiratory Contact: Respiratory tract irritant. Prolonged exposure may result in dizziness, nausea, headache, and anesthetic effects. May cause sensitization. Preexisting respiratory conditions may be aggravated by exposure to this product. May cause CNS depression.

Ingestion: Not an expected route of entry. If ingested it may cause irritation to the gastrointestinal tract.

Chronic Health Effects: Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.

Signs/Symptoms: Overexposure may cause headaches, dizziness, nausea, and vomiting.

Aggravation of Pre-Existing Conditions: Individuals with pre-existing skin disorders, asthma, allergies or know sensitization may be more susceptible to the effects of this product.

SDS SAFETY DATA SHEET



SDS Number:
Page 3 of 7

BD3121, BD3131, BD3141 Structural Acrylic Bonding Part B Activator

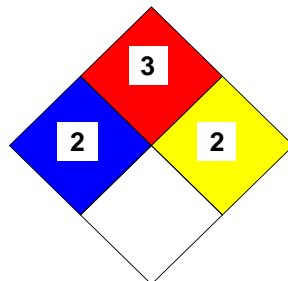
Revision No.: 2
Date: 01/03/2020

PART B ACTIVATOR:

HMIS (United States)

Health 2
Flammability 3
Reactivity 2
PPE B

NFPA (United States)



WHMIS (Canada): D2B



Section 3 COMPOSITION / INFORMATION ON INGREDIENTS

	Name	CAS #	% by Weight
Activator:	Benzoyl Peroxide	94-36-0	5 – 30

Section 4 FIRST-AID MEASURES

Skin: Remove contaminated clothing. Flush skin with water, then wash affected areas with soap and water. If irritation develops, seek medical attention. Wash or dispose of clothing before reuse.

Eye: Flush eyes with water for 15 minutes. Remove contact lenses prior to water flush if possible. Seek immediate medical attention.

Respiratory: Remove patient to fresh air. If patient is having difficulty breathing, seek immediate medical attention. If not breathing, clear airway and start mouth-to-mouth artificial respiration (or use bag-mask respirator). Seek immediate medical attention.

Ingestion: Give patient water to dilute material in stomach. DO NOT induce vomiting. Seek immediate medical attention. If vomiting occurs naturally, have person lean forward to reduce risk of aspiration. DO NOT give anything by mouth to an unconscious person.

Section 5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: In case of fire, use dry chemical or CO₂. Water spray may cause frothing.

Specific Hazards Arising from the Chemical: Sealed containers of adhesive may rupture violently at elevated temperatures due to polymerization. Organic peroxides can decompose violently if heated while confined.

Special Protective Equipment and Precautions for Firefighters: Use self-contained breathing apparatus (SCBA) and protective clothing.

Flash Point and Method: Not Determined

Risk of Explosion due to Mechanical Impact: Not Applicable.

Risk of Explosion due to Static Discharge: Not Applicable.

Hazardous Products of Combustion: Carbon Oxides (CO and CO₂) and various Hydrocarbons.

Section 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: For large spill or leak wear self-contained breathing apparatus (SCBA) and appropriate PPE.

Environmental Precautions: Keep out of sewers and drains.

Clean-Up Methods and Materials: Absorb with an inert material and place in an appropriate container for disposal.

SDS SAFETY DATA SHEET



SDS Number:
Page 4 of 7

BD3121, BD3131, BD3141 Structural Acrylic Bonding Part B Activator

Revision No.: 2
Date: 01/03/2020

Section 7 HANDLING AND STORAGE

Handling Precautions: Avoid breathing vapors. Use in a well-ventilated area. Wear rubber gloves (nitrile or butyl) and chemical resistant apron. Wear chemical splash goggles. Do not reuse empty containers.

Storage Precautions: Store in a cool, dry, well-ventilated area at temperatures less than 75°F (25°C). Storage above 212°F (100°C) may cause explosive decomposition. Avoid storage in direct sunlight. Keep containers closed when not in use. Keep away from heat sources, sparks, and open flames.

Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters and Exposures:

Material Name:

Benzoyl Peroxide (CAS 94-36-0):

Exposure Limits:

OSHA PEL: TWA 5 mg/m³

ACGIH TLV: TWA 5 mg/m³

Engineering Controls: Provide adequate explosion proof ventilation (general or local exhaust). Ensure that a working eyewash and safety shower are in the work area.

Individual Protection Measures and PPE:

Eye / Face Protection: Wear safety glasses with side shields or splash goggles.

Skin Protection: Chemical resistant gloves (nitrile or butyl) and chemical resistant apron are recommended.

Respiratory Protection In case of insufficient ventilation, wear an approved (NIOSH) respirator with organic vapor cartridge and dust/mist pre-filter.

Thermal Hazards: None.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

	Part B Activator
Appearance:	Colored (various) paste
Odor:	Mild Sweet
Odor Threshold:	Not Available
pH:	Neutral
Melting Point / Freezing Point:	Not Available
Initial Boiling Point:	> 550°F (288°C)
Flash Point and Method:	Not Available
Evaporation Rate:	<1 (butyl acetate = 1)
Flammability:	Not Available
Lower Explosion Limit:	Not Available
Upper Explosion Limit:	Not Available
Vapor Pressure:	< 0.5 mm Hg @ 68°F (20°C)
Vapor Density:	Not Available
Relative Density:	Not Available
Solubility(ies):	Not Available
Partition Coefficient (n-Octanol in Water):	Not Applicable
Auto-Ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity (Dynamic CPS/mPa-s):	40k to 120k
Percent Volatile:	Not Available

SDS SAFETY DATA SHEET



SDS Number:
Page 5 of 7

BD3121, BD3131, BD3141 Structural Acrylic Bonding Part B Activator

Revision No.: 2
Date: 01/03/2020

Specific Gravity: 1.0 to 1.15
VOC: < 50 g/L of mixed product

Section 10 STABILITY AND REACTIVITY

Reactivity: Product is stable as supplied and when used as intended. Product can become unstable under certain conditions or in contact with incompatible materials.

Chemical Stability: Not Available.

Possibility of Hazardous Reactions: Polymerization may occur under certain conditions.

Conditions to Avoid: Avoid extreme temperatures, open flames, sparks, and direct sunlight.

Materials to Avoid (Incompatibility): Oxidizing agents and conditions, strong acids and alkalies, oxygen-free atmospheres, inert gas blanketing, and free radical initiators.

Hazardous Decomposition Products: Carbon Oxides (CO, CO₂), and various Hydrocarbons.

Section 11 TOXICOLOGICAL INFORMATION

Acute Toxicity to Animals:

Activator: Benzoyl Peroxide (CAS 94-36-0):
LC50 = 2 mg/L (96 hour inhalation, guppy)
LD50 = 6400 mg/kg (oral, rat)
LD50 > 2000 mg/kg (oral, mouse)

Acute Toxicity to Humans: This product has not been tested for human effects. No additional information.

Chronic Toxicity to Animals: This product has not been tested for animal effects. No additional information.

Chronic Toxicity to Humans: This product has not been tested for human effects. No additional information.

Skin Corrosion / Irritation: Not Available.

Eye Damage / Irritation: Not Available.

Respiratory Sensitization: Not Available.

Skin Sensitization: Not Available.

Mutagenicity: Classifiable as "none" for human.

Carcinogenicity: Not classifiable for human or animal.

Reproductive Toxicity: Not Available.

Teratogenic Effects: Classifiable as "none" for human.

STOT- Single Exposure: Not Available.

STOT – Repeated Exposure: Not Available.

Aspiration Hazard: Not Available.

Section 12 ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for this product.

Persistence and Degradability: Not Available.

Bioaccumulative Potential: Not Available.

Mobility in Soil: Not Available.

Other Adverse Effects: Not Available.

Section 13 DISPOSAL CONSIDERATIONS

Disposal Methods:

SDS SAFETY DATA SHEET



SDS Number: **BD3121, BD3131, BD3141 Structural Acrylic Bonding Part B Activator**
Page 6 of 7

Revision No.: 2
Date: 01/03/2020

Adhesive: Adhesive is considered Hazardous Waste Product per RCRA 40 CFR 261 and is classed as D001. Spilled, contaminated, or waste material should be put into a suitable container and handled according to Federal, State, and local regulations. Contact a qualified waste management company for assistance.
Activator: Not a hazardous waste product (RCRA 50 CFR 261). May be disposed of by landfill or incineration. Dispose of in accordance with Federal, State, and local regulations.
DANGER! Rags, steel wool, and waste soaked with this product may spontaneously catch fire if improperly discarded or stored. Waste should be immediately placed in a sealed water filled container.

Section 14 TRANSPORT INFORMATION

UN Number: UN1133.
UN Proper Shipping Name: Adhesives (DOT), Flammable Liquid.
Transport Hazard Class: 3.
Packing Group: II
DOT Classification: UN1133, Adhesives, Flammable Liquid, Hazard Class 3, Packing Group II, Limited Quantity.
Special Provision for Transport: 1 Liter (0.3 gallon) or less may use Limited Quantity exceptions (49 CFR 172.102 & 49 CFR 173.150 (a) (2)).
ADR / RID Classification: Class 3 Flammable Liquid.
ICAO/IATA Classification: Class 3 Flammable Liquid.
IMO/IMDG Classification: Class 3 Flammable Liquid.
Marine Pollutant: No additional information.

Section 15 REGULATORY INFORMATION

U.S. Federal Regulations

Chemical (& CAS Number)	SARA 302 (EHS)TPQ	SARA 304 (EHS)Rq	SARA 313 <i>de minimis</i>	CERCLA Rq	CAA 112(r) TQ	RCRA Code
Benzoyl Peroxide (CAS 94-36-0)			1.0			

All quantities in pounds.

State Regulations

Chemical (& CAS Number)	CA Prop 65	MA RTK	MN RTK	NJ RTK	PA RTK	RI RTK
Benzoyl Peroxide (CAS 94-36-0)		X		X	X	X

TSCA (Toxic Substances Control Act): All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory Requirements.

International Regulations:

DSL (Canada Domestic Substance List): All components of this product are on the DSL (Canada Domestic Substance List) or are exempt from DSL.

EINECS: Not Available.

WHMIS: D2B.

Section 16 OTHER INFORMATION

Changes to This Revision: January 3, 2020

Prepared By: Louis J. Giovannini
Telephone: USA – 520-271-7313

SDS SAFETY DATA SHEET



SDS Number:
Page 7 of 7

BD3121, BD3131, BD3141 Structural Acrylic Bonding Part B Activator

Revision No.: 2
Date:01/03/2020

Internet: sales@bigdogadhesives.com

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named manufacturer nor any of its subsidiaries assumes any liability whatsoever for accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

END OF SDS DOCUMENT

SDS SAFETY DATA SHEET



SDS Number: BD3121, BD3131, BD3141 Structural Acrylic Bonding Part A Adhesive (Resin) Revision No.: 2
Page 1 of 7 Date: 01/03/2020

Section 1 IDENTIFICATION

Product Name: BD3121, BD3131, BD3141 Structural Acrylic Bonding Part A Adhesive (Resin)

Manufacturer: Big Dog Adhesives, LLC
615 S 4th Street
Elkhart, INDIANA, USA 46516-2717
Phone: 1-833-244-3644 (1-833-BIG-DOGG) Fax: 1-833-244-3649 (1-833-BIG-DOGZ)
Email: sales@bigdogadhesives.com Website: www.bigdogadhesives.com



Trade Name: BD3121, BD3131, BD3141 Structural Acrylic Bonding Part A Adhesive (Resin)

Materials Uses: High strength acrylic adhesive for bonding fiberglass, steel, aluminum, and various substrates together. Ratio of 4 or 10 Parts A to 1 Part B product has high flexural strength and tensile strengths.

In Case of Emergency Contact CHEMTREC: 800-424-9300 (USA) +1-703-527-3887

Section 2 HAZARD IDENTIFICATION

GHS Classification:

CATEGORY	SIGNAL WORD	HAZARD STATEMENT(S)
Physical Flammable Liquids, Category 2	DANGER	H225 – Highly flammable liquid and vapor
Health Acute Oral Toxicity, Category 4 Skin Corrosion, Category 1 Serious Eye Damage, Category 1 Skin Sensitization, Category 1 STOT SE, Category 3	WARNING WARNING WARNING WARNING WARNING	H302 – Harmful if swallowed H314 – Causes severe skin burns and eye damage H318 – Causes serious eye damage H317 – May cause an allergic skin reaction H335 – May cause a respiratory irritation
Environmental Acute, Category 3 Chronic, Category 4		H402 – Harmful to aquatic life H413 – May cause long lasting harmful effects to aquatic life



GHS Precaution Statements:

Prevention:

- P210 – Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 – Keep container tightly closed.
- P240 – Ground/Bond container and receiving equipment.

SDS SAFETY DATA SHEET



SDS Number: **BD3121, BD3131, BD3141 Structural Acrylic Bonding Part A Adhesive (Resin)**
Page 2 of 7

Revision No.: 2
Date: 01/03/2020

- P241 – Use explosion-proof electrical/ventilating/lighting equipment.
- P242 – Use only non-sparking tools.
- P243 – Take precautionary measures against static discharge.
- P260 – Do not breathe dust/fume/gas/mist/vapors/spray.
- P261 – Avoid breathing dust/fume/mist/vapors/spray.
- P264 – Wash hands (or other affected skin surfaces) thoroughly after handling.
- P270 – Do not eat, drink, or smoke when using this product.
- P271 – Use only outdoors or in a well-ventilated area.
- P272 – Contaminated work clothing should not be allowed out of the workplace.
- P273 – Avoid release to the environment
- P280 – Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- P301/P330/P331 – IF SWALLOWED: Rinse mouth. Do not induce vomiting.
- P302/P352 – IF ON SKIN: Wash with plenty of soap and water.
- P303/P361/P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304/P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305/P351/P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 – Immediately call a POISON CENTER or doctor/physician.
- P312 – Call a POISON CENTER or doctor/physician if you feel unwell.
- P333/P313 – If skin irritation or rash occurs get medical advice/attention.
- P362/P364 – Take off contaminated clothing and wash it before reuse.
- P363 – Wash contaminated clothing before reuse.
- P370/P378 – In case of fire: Use dry chemical or CO₂ to extinguish small fires. Use water for large fires.

Storage:

- P403 – Store in a well-ventilated place.
- P405 – Store locked up.
- P410 – Protect from sunlight.
- P411 – Store at temperatures not exceeding 25°C (75°F).

Disposal:

- P501 – Dispose of contents/containers in accordance with local/regional/national/international regulations.

Route of Entry: Eye contact, skin contact, inhalation, and ingestion.

Target Organs: Skin, eyes, respiratory tract, digestive tract, liver, kidney, olfactory and Central Nervous System (CNS).

Skin Contact: May cause irritation of the skin. Prolonged exposure may cause sensitization. Preexisting skin conditions may be aggravated by exposure to this material.

Eye Contact: May cause irritation and/or sensitization.

Respiratory Contact: Respiratory tract irritant. Prolonged exposure may result in dizziness, nausea, headache, and anesthetic effects. May cause sensitization. Preexisting respiratory conditions may be aggravated by exposure to this product. May cause CNS depression.

Ingestion: Not an expected route of entry. If ingested it may cause irritation to the gastrointestinal tract.

SDS SAFETY DATA SHEET



SDS Number: BD3121, BD3131, BD3141 Structural Acrylic Bonding Part A Adhesive (Resin)
Page 3 of 7

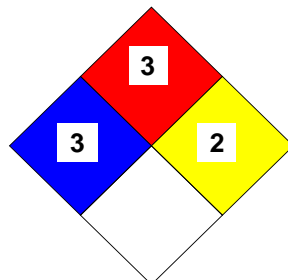
Revision No.: 2
Date: 01/03/2020

ADHESIVE:

HMIS (United States)

Health 3
Flammability 3
Reactivity 2
PPE B

NFPA (United States)



WHMIS (Canada): B2, D2B



Section 3 COMPOSITION / INFORMATION ON INGREDIENTS

	Name	CAS #	% by Weight
Adhesive:	Methyl Methacrylate Monomer	80-62-6	40 – 80
	Methacrylic Acid	79-41-4	1 – 10

Section 4 FIRST-AID MEASURES

Skin: Remove contaminated clothing. Flush skin with water, then wash affected areas with soap and water. If irritation develops, seek medical attention. Wash or dispose of clothing before reuse.

Eye: Flush eyes with water for 15 minutes. Remove contact lenses prior to water flush if possible. Seek immediate medical attention.

Respiratory: Remove patient to fresh air. If patient is having difficulty breathing, seek immediate medical attention. If not breathing, clear airway and start mouth-to-mouth artificial respiration (or use bag-mask respirator). Seek immediate medical attention.

Ingestion: Give patient water to dilute material in stomach. DO NOT induce vomiting. Seek immediate medical attention. If vomiting occurs naturally, have person lean forward to reduce risk of aspiration. DO NOT give anything by mouth to an unconscious person.

Section 5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: In case of fire, use dry chemical or CO₂. Water spray may cause frothing.

Specific Hazards Arising from the Chemical: Sealed containers of adhesive may rupture violently at elevated temperatures due to polymerization. Organic peroxides can decompose violently if heated while confined.

Special Protective Equipment and Precautions for Firefighters: Use self-contained breathing apparatus (SCBA) and protective clothing.

Flash Point and Method: 50°F (10°C). Fine mists may be explosive below the flash point. Tag Closed Cup.

Flammability Classification: Class 1B.

Risk of Explosion due to Mechanical Impact: Not Applicable.

Risk of Explosion due to Static Discharge: Not Applicable.

Hazardous Products of Combustion: Carbon Oxides (CO and CO₂), Methyl Methacrylate, and various Hydrocarbons.

Autoignition Temp.: 790°F (421°C).

LEL: 1.7%.

SDS SAFETY DATA SHEET



SDS Number: BD3121, BD3131, BD3141 Structural Acrylic Bonding Part A Adhesive (Resin)
Page 4 of 7

Revision No.: 2
Date: 01/03/2020

UEL: 12.5%.

Section 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: For large spill or leak wear self-contained breathing apparatus (SCBA) and appropriate PPE.

Environmental Precautions: Keep out of sewers and drains.

Clean-Up Methods and Materials: Absorb with an inert material and place in an appropriate container for disposal.

Section 7 HANDLING AND STORAGE

Handling Precautions: Avoid breathing vapors. Use in a well-ventilated area. Wear rubber gloves (nitrile or butyl) and chemical resistant apron. Wear chemical splash goggles. Do not reuse empty containers.

Storage Precautions: Store in a cool, dry, well-ventilated area at temperatures less than 75°F (25°C). Storage above 212°F (100°C) may cause explosive decomposition. Avoid storage in direct sunlight. Keep containers closed when not in use. Keep away from heat sources, sparks, and open flames.

Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters and Exposures:

Material Name:

Methacrylic Acid (CAS 79-41-4):

Methyl Methacrylate (CAS 80-62-6):

Exposure Limits:

ACGIH TLV: TWA 20 ppm

OSHA PEL: TWA 100 ppm

ACGIH TLV: TWA 50 ppm
STEL 100 ppm

Engineering Controls: Provide adequate explosion proof ventilation (general or local exhaust). Ensure that a working eyewash and safety shower are in the work area.

Individual Protection Measures and PPE:

Eye / Face Protection: Wear safety glasses with side shields or splash goggles.

Skin Protection: Chemical resistant gloves (nitrile or butyl) and chemical resistant apron are recommended.

Respiratory Protection In case of insufficient ventilation, wear an approved (NIOSH) respirator with organic vapor cartridge and dust/mist pre-filter.

Thermal Hazards: None.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

	Adhesive
Appearance:	Colored (various) Paste
Odor:	Mild Sweet
Odor Threshold:	Not Available
pH:	4.0 – 6.0
Melting Point / Freezing Point:	-54°F (-48°C)
Initial Boiling Point:	212°F (100°C)
Flash Point and Method:	50°F (10°C) Tag Closed Cup
Evaporation Rate:	3
Flammability:	Class 1B
Lower Explosion Limit:	1.7%
Upper Explosion Limit:	12.5%

SDS SAFETY DATA SHEET



SDS Number: BD3121, BD3131, BD3141 Structural Acrylic Bonding Part A Adhesive (Resin)
Page 5 of 7

Revision No.: 2
Date: 01/03/2020

Vapor Pressure:	28 mm Hg @ 68°F (20°C)
Vapor Density:	3.5
Relative Density:	7.7 – 8.8 lbs./gallon
Solubility(ies):	Not Available
Partition Coefficient (n-Octanol in Water):	Not Applicable
Auto-Ignition Temperature:	790°F (421°C)
Decomposition Temperature:	Not Available
Viscosity (Dynamic CPS/mPa-s):	60k – 250k
Percent Volatile:	Not Available
Specific Gravity:	0.93 – 1.05
VOC:	< 50 g/L of mixed product

Section 10 STABILITY AND REACTIVITY

Reactivity: Product is stable as supplied and when used as intended. Product can become unstable under certain conditions or in contact with incompatible materials.

Chemical Stability: Not Available.

Possibility of Hazardous Reactions: Polymerization may occur under certain conditions.

Conditions to Avoid: Avoid extreme temperatures, open flames, sparks, and direct sunlight.

Materials to Avoid (Incompatibility): Oxidizing agents and conditions, strong acids and alkalies, oxygen-free atmospheres, inert gas blanketing, and free radical initiators.

Hazardous Decomposition Products: Carbon Oxides (CO, CO₂), Methyl Methacrylate, and various Hydrocarbons.

Section 11 TOXICOLOGICAL INFORMATION

Acute Toxicity to Animals:

Adhesive: Methyl Methacrylate (CAS 80-62-6):	LC50 = 7093 ppm (4 hour inhalation, rat) LD50 = 7940 mg/kg (oral, rat) LD50 > 7550 mg/kg (dermal, rabbit)
Methacrylic Acid (CAS 79-41-4):	LC50 = 7100 mg/m ³ (4 hour inhalation, rat) LD50 > 7550 mg/kg (oral, rat) LD50 = 1600 mg/kg (oral, mouse) LD50 > 500 mg/kg (dermal, rabbit)

Acute Toxicity to Humans: This product has not been tested for human effects. No additional information.

Chronic Toxicity to Animals: This product has not been tested for animal effects. No additional information.

Chronic Toxicity to Humans: This product has not been tested for human effects. No additional information.

Skin Corrosion / Irritation: Not Available.

Eye Damage / Irritation: Not Available.

Respiratory Sensitization: Not Available.

Skin Sensitization: Not Available.

Mutagenicity: Classifiable as “none” for human.

Carcinogenicity: Not classifiable for human or animal.

Reproductive Toxicity: Not Available.

Teratogenic Effects: Classifiable as “none” for human.

STOT- Single Exposure: Not Available.

STOT – Repeated Exposure: Not Available.

SDS SAFETY DATA SHEET



SDS Number: BD3121, BD3131, BD3141 Structural Acrylic Bonding Part A Adhesive (Resin)
Page 6 of 7

Revision No.: 2
Date: 01/03/2020

Aspiration Hazard: Not Available.

Section 12 ECOLOGICAL INFORMATION

Ecotoxicity: This product contains components that may be harmful to aquatic organisms and may cause long term adverse effects in an aquatic environment.

Persistence and Degradability: Not Available.

Bioaccumulative Potential: This product contains components with the potential to bio-accumulate.

Mobility in Soil: Not Available.

Other Adverse Effects: Not Available.

Section 13 DISPOSAL CONSIDERATIONS

Disposal Methods:

Adhesive: Adhesive is considered Hazardous Waste Product per RCRA 40 CFR 261 and is classed as D001. Spilled, contaminated, or waste material should be put into a suitable container and handled according to Federal, State, and local regulations. Contact a qualified waste management company for assistance.

Activator: Not a hazardous waste product (RCRA 50 CFR 261). May be disposed of by landfill or incineration. Dispose of in accordance with Federal, State, and local regulations.

DANGER! Rags, steel wool, and waste soaked with this product may spontaneously catch fire if improperly discarded or stored. Waste should be immediately placed in a sealed water filled container.

Section 14 TRANSPORT INFORMATION

UN Number: UN1133.

UN Proper Shipping Name: Adhesives (DOT), Flammable Liquid.

Transport Hazard Class: 3.

Packing Group: II

DOT Classification: UN1133, Adhesives, Flammable Liquid, Hazard Class 3, Packing Group II, Limited Quantity.

Special Provision for Transport: 1 Liter (0.3 gallon) or less may use Limited Quantity exceptions (49 CFR 172.102 & 49 CFR 173.150 (a) (2)).

ADR / RID Classification: Class 3 Flammable Liquid.

ICAO/IATA Classification: Class 3 Flammable Liquid.

IMO/IMDG Classification: Class 3 Flammable Liquid.

Marine Pollutant: No additional information.

Section 15 REGULATORY INFORMATION

U.S. Federal Regulations

Chemical (& CAS Number)	SARA 302 (EHS)TPQ	SARA 304 (EHS)Rq	SARA 313 <i>de minimis</i>	CERCLA Rq	CAA 112(r) TQ	RCRA Code
Methyl Methacrylate (CAS 80-62-6)			1.0	1000		U162
Methacrylic Acid (CAS 79-41-4)						

All quantities in pounds.

State Regulations

Chemical (& CAS Number)	CA Prop 65	MA RTK	MN RTK	NJ RTK	PA RTK	RI RTK
-------------------------	------------	--------	--------	--------	--------	--------

SDS SAFETY DATA SHEET



SDS Number: BD3121, BD3131, BD3141 Structural Acrylic Bonding Part A Adhesive (Resin)
Page 7 of 7

Revision No.: 2
Date: 01/03/2020

Methyl Methacrylate (CAS 80-62-6)		X	X	X	X	X
Methacrylic Acid (CAS 79-41-4)		X			X	

TSCA (Toxic Substances Control Act): All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory Requirements.

International Regulations:

DSL (Canada Domestic Substance List): All components of this product are on the DSL (Canada Domestic Substance List) or are exempt from DSL.

EINECS: Not Available.

WHMIS: B2, C, D2B.

Section 16 OTHER INFORMATION

Changes to This Revision: January 3, 2020

Prepared By: Louis J. Giovannini

Telephone: USA – 520-271-7313

Internet: sales@bigdogadhesives.com

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named manufacturer nor any of its subsidiaries assumes any liability whatsoever for accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

END OF SDS DOCUMENT
