

BondPro™ Construction Polyurethane Adhesive

Safety Data Sheet

SECTION 1: Identification

1.1. Identification

Product name : BondPro™ Construction Polyurethane Adhesive

1.2. Recommended use and restrictions on use

Adhesive/sealant

1.3. Supplier

US Distributor:

BondPro Industrial Adhesives, Inc.
322 Warfield Ave, Unit 322
Venice, FL 34285, FL

1.4. Emergency telephone number

+1 (941) 600-8141

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Repr. 1B H360

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : H360 - May damage fertility or the unborn child
Precautionary statements (GHS US) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

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2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Carbonic acid, calcium salt (1:1)	CAS-No.: 471-34-1	50 – 70
Bis(2-ethylhexyl) phthalate	CAS-No.: 117-81-7	15 – 35
Silane Terminated Polyurethane Polymer	CAS-No.: 216597-12-5	20 – 30
Carbon black	CAS-No.: 1333-86-4	0 – 5

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Allow affected person to breathe fresh air. In case of unconsciousness, obtain medical attention.
First-aid measures after skin contact	: Wash with soap and water and rinse thoroughly.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: May damage fertility or the unborn child.
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4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use suitable extinguishing media for surrounding fire.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Remove ignition sources. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from food and water. Keep container closed when not in use.

Incompatible materials : Not determined.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Bis(2-ethylhexyl) phthalate (117-81-7)

USA - ACGIH - Occupational Exposure Limits

ACGIH® TLV® TWA	5 mg/m ³
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ACGIH® chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
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USA - IDLH - Occupational Exposure Limits

IDLH	5000 mg/m ³
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USA - NIOSH - Occupational Exposure Limits

NIOSH REL TWA	5 mg/m ³
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NIOSH REL STEL	10 mg/m ³
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Carbonic acid, calcium salt (1:1) (471-34-1)

USA - NIOSH - Occupational Exposure Limits

NIOSH REL TWA	10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)
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Carbon black (1333-86-4)

USA - ACGIH - Occupational Exposure Limits

ACGIH® TLV® TWA	3 mg/m ³ (inhalable particulate matter)
ACGIH® chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans

USA - OSHA - Occupational Exposure Limits

OSHA PEL TWA	3.5 mg/m ³
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USA - IDLH - Occupational Exposure Limits

IDLH	1750 mg/m ³
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USA - NIOSH - Occupational Exposure Limits

NIOSH REL TWA	3.5 mg/m ³ 0.1 mg/m ³ (Carbon black in presence of Polycyclic aromatic hydrocarbons)
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8.2. Appropriate engineering controls

Provide adequate workplace ventilation.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid paste
Color	: Black, white or grey.
Odor	: Characteristic
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available

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Solubility	: Poor solubility in water
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Product is stable at normal product handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Bis(2-ethylhexyl) phthalate (117-81-7)

LD50 oral rat	30 g/kg
LD50 dermal rabbit	25 g/kg
LC50 Inhalation - Rat	> 10620 mg/m ³ (Exposure time: 4 h)
ATE US (oral)	30000 mg/kg body weight
ATE US (dermal)	25000 mg/kg body weight

Carbonic acid, calcium salt (1:1) (471-34-1)

LD50 oral rat	6450 mg/kg
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Carbonic acid, calcium salt (1:1) (471-34-1)

ATE US (oral)	6450 mg/kg
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Carbon black (1333-86-4)

LD50 oral rat	> 15400 mg/kg
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Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Bis(2-ethylhexyl) phthalate (117-81-7)

IARC group	2B - Possibly carcinogenic to humans
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National Toxicology Program (NTP) Status	Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen
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In OSHA Hazard Communication Carcinogen list	Yes
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Carbon black (1333-86-4)

IARC group	2B - Possibly carcinogenic to humans
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In OSHA Hazard Communication Carcinogen list	Yes
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Reproductive toxicity	: May damage fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Bis(2-ethylhexyl) phthalate (117-81-7)

LC50 - Fish [1]	> 0.16 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
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EC50 - Crustacea [1]	> 0.16 mg/l (Exposure time: 48 h - Species: Daphnia magna)
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LC50 - Fish [2]	> 0.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
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EC50 - Crustacea [2]	9.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
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EC50 72h - Algae [1]	> 130 mg/l (Species: Desmodesmus subspicatus)
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EC50 96h - Algae [1]	> 0.1 mg/l (Species: Pseudokirchneriella subcapitata)
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EC50 96h - Algae [2]	> 0.1 mg/l (Species: Pseudokirchneriella subcapitata [static])
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12.2. Persistence and degradability

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Persistence and degradability	Not established.
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Silane Terminated Polyurethane Polymer (216597-12-5)

Persistence and degradability	Rapidly degradable
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Bis(2-ethylhexyl) phthalate (117-81-7)

Persistence and degradability	Rapidly degradable
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Carbonic acid, calcium salt (1:1) (471-34-1)

Persistence and degradability	Rapidly degradable
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Carbon black (1333-86-4)

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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Bis(2-ethylhexyl) phthalate (117-81-7)

BCF - Fish [1]	1 – 29.7
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Partition coefficient n-octanol/water (Log Pow)	5.03
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Carbonic acid, calcium salt (1:1) (471-34-1)

BCF - Fish [1]	(no bioaccumulation)
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecological waste information : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

UN-No. (DOT)	: Not applicable
UN-No. (TDG)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable

14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not applicable

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TDG

Transport hazard class(es) (TDG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable

Packing group (TDG) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

Not applicable

TDG

Not applicable

IMDG

Not applicable

IATA

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Silane Terminated Polyurethane Polymer	216597-12-5	Not present	-	
Bis(2-ethylhexyl) phthalate	117-81-7	Present	Active	
Carbonic acid, calcium salt (1:1)	471-34-1	Present	Active	
Carbon black	1333-86-4	Present	Active	

Bis(2-ethylhexyl) phthalate (117-81-7)

Subject to reporting requirements of United States SARA Section 313
Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	100 lb
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15.2. US State regulations

Bis(2-ethylhexyl) phthalate (117-81-7)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	Yes	No	Yes	310 µg/day	20 µg/day oral; neonatal infant boys (age 0-28 days)

Carbon black (1333-86-4)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No		

Component	State or local regulations
Bis(2-ethylhexyl) phthalate(117-81-7)	U.S. - Massachusetts - Right To Know List; U.S. - Minnesota - Hazardous Substance List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Carbon black(1333-86-4)	U.S. - Massachusetts - Right To Know List; U.S. - Minnesota - Hazardous Substance List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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Date of Previous Issue: -

Version: 1

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.