

MANUFACTURER:

BondPro Corporation
650 Brakke Drive
Hudson, WI 54016
Phone: 715-386-6206
Fax: 715-386-1462
ISSUED: March 10, 2003

Transportation Emergency
Chemtrec: 800-424-9300

TRADE NAME:

BondPak 7122 Adhesive

This product is a kit which contains both the Part A and Part B independently packaged in a duel cartridge syringe. An MSDS for each of these components is included. Please do not separate the component MSDSs from this cover page.

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. BONDPRO CORPORATION MAKES WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE

OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the BondPro Corporation product is fit for a particular purpose and suitable for user's methods of use or application. Given the variety of factors that can affect the use and application of a BondPro Corporation product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the BondPro Corporation product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

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SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

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MANUFACTURER:

BondPro Corporation
650 Brakke Drive
Hudson, WI 54016
Phone: 715-386-6206
Fax: 715-386-1462
ISSUED: May 17, 2001

Transportation Emergency
Chemtrec: 800-424-9300

TRADE NAME:

BondPro 7122 Adhesive part A Acrylic

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	CAS#	PERCENT
METHYL METHACRYLATE	80-62-6	60.0 - 80.0
Acrylic polymer blend - Vendor Trade Secret (V.T.S.) ++	Trade Secret	15.0 - 30.0
3,5-DIETHYL-1,2-DIHYDRO-1-PHENOL-2-PROPYLPYRIDINE	34562-31-7	5.0 - 10.0

++ Material is a trade secret of our supplier and the CAS number is unknown to BondPro.

This product contains the following toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372:

METHYL METHACRYLATE

SECTION 3. PHYSICAL DATA

BOILING POINT: 214.00 F
VAPOR PRESSURE: 29.0000 mmHg @ 68F
VAPOR DENSITY: 3.5 Air=1
EVAPORATION RATE: 3 BuOAc=1
SOLUBILITY IN WATER: moderate
SPECIFIC GRAVITY: 0.96 Water=1
PERCENT VOLATILE: 30.00 - 60.00 % by wt
pH: 4.5 - 5.5
VISCOSITY: 40000 - 60000 centipoise
MELTING POINT: N/D

APPEARANCE AND ODOR:

Paste, Off-white, pungent acrylic odor

SECTION 4. FIRE AND EXPLOSION HAZARD DATA
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FLASH POINT:	51.00 F
FLAMMABLE LIMITS - LEL:	2.00 % by vol
FLAMMABLE LIMITS - UEL:	12.50 % by vol
AUTOIGNITION TEMPERATURE:	N/D

EXTINGUISHING MEDIA:

Water, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

See Hazardous Decomposition section for products of combustion. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 3 REACTIVITY: 2

UNUSUAL REACTION HAZARD: none

SECTION 5. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Amines, Reducing Agents, Heat, Reactive Metals, Sparks and/or Flames. Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature reaction (exotherm) with production of intense heat and smoke.

HAZARDOUS POLYMERIZATION: Hazardous polymerization may occur.

SECTION 6. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Ventilate area. Extinguish all ignition sources. Collect spilled material. Place in an approved metal container.

RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility in the presence of a combustible material. Dispose of completely cured (or polymerized) material in a sanitary landfill.

BondPro 7122 Adhesive part A Page 3 of 6

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 0.00 gms/liter.

VOC Less H₂O & Exempt Solvents: 0.0 gms/liter.

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity.

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes
Yes

SECTION 7. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Wash affected area with soap and water.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

SECTION 8. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. Wear vented goggles. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber, polyvinyl alcohol, fluoroelastomer (Viton).

RECOMMENDED VENTILATION:

Curing ovens must be exhausted to outdoors or to a suitable emission control device. If exhaust ventilation is not adequate, use appropriate respiratory protection. Provide ventilation adequate to control vapor concentrations below recommended exposure limits and/or control spray or mist.

RESPIRATORY PROTECTION:

Avoid breathing of vapors created during the cure cycle. Avoid prolonged breathing of vapors. Avoid breathing of dust created by cutting, sanding or grinding. Select one of the following NIOSH

BondPro 7122 Adhesive part A Page 4 of 6

approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask dust respirator, half-mask organic vapor respirator, full-face organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Wash hands after handling and before eating. Do not ingest.

RECOMMENDED STORAGE:

Store in a cool place. Store away from heat. Keep container dry. Keep container in well-ventilated area. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Flammable liquid and vapor. Keep away from heat, sparks, open flame, and other sources of ignition. No smoking while handling this material. Do not heat under confinement.

EXPOSURE LIMITS

<u>INGREDIENT</u>	<u>VALUE</u>	<u>UNIT</u>	<u>TYPE</u>	<u>AUTH</u>	<u>SKIN*</u>
METHYL METHACRYLATE	100	PPM	TWA	OSHA	
METHYL METHACRYLATE	50	PPM	TWA	ACGIH	
			SENSITIZER		
METHYL METHACRYLATE	100	PPM	STEL	ACGIH	
SENSITIZER					
Acrylic polymer blend - Vendor					
Trade Secret (V.T.S.) ++	NONE	NONE	NONE	NONE	
3,5-DIETHYL-1,2-DIHYDRO-1-PHENOL-2-PROPYLPYRIDINE	NONE	NONE	NONE	NONE	

*SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

++ Material is a trade secret of our supplier and the CAS number is unknown to BondPro.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

SECTION 9. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

Vapors from heated material may cause eye irritation.

BondPro 7122 Adhesive part A Page 5 of 6

Dust created by cutting, grinding, sanding, or machining may cause eye irritation.

SKIN CONTACT:

Allergic Skin Reaction: signs/symptoms can include redness, swelling, blistering, and itching.

Moderate Skin Irritation: signs/symptoms can include redness, swelling, itching, and dryness.

INHALATION:

Illness may occur after a single overexposure by inhalation to

relatively large quantities of this material.

Nervous System Effects: signs/symptoms can include emotional changes, lack of coordination, tremors and sensory loss.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

Vapors of heated material may cause respiratory system irritation.

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system.

IF SWALLOWED:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

METHYL METHACRYLATE (80-62-6) is not classifiable as to its potential reproductive effects in humans.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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Issued: May 17, 2001

Transportation Emergency
Chemtrec: 800-424-9300

TRADE NAME:

BondPak 7122 Adhesive part B Acrylic

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	CAS#	PERCENT
METHYL METHACRYLATE	80-62-6	60.0 - 80.0
acrylic polymer blend - Vendor Trade Secret (V.T.S.) ++	TradeSecret	15.0 - 30.0
3,5-DIETHYL-1,2-DIHYDRO-1-PHENOL-2-PROPYLPYRIDINE	34562-31-7	5.0 - 10.0

++ Material is a trade secret of our supplier and the CAS number is unknown to BondPro.

This product contains the following toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372: METHYL METHACRYLATE

SECTION 3. PHYSICAL DATA

BOILING POINT:	214.00 F
VAPOR PRESSURE: @ 68F	29.0000 mmHg
VAPOR DENSITY:	3.5 Air=1
EVAPORATION RATE:	3 BuOAc=1
SOLUBILITY IN WATER:	moderate
SPECIFIC GRAVITY:	0.96 Water=1
PERCENT VOLATILE:	30.00 - 60.00 % by wt
pH:	4.5 - 5.5
VISCOSITY:	40000 - 60000 centipoise
MELTING POINT:	N/D

APPEARANCE AND ODOR:

Paste, Off-white, pungent acrylic odor

SECTION 4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 51.00 F
FLAMMABLE LIMITS - LEL: 2.00 % by vol
FLAMMABLE LIMITS - UEL: 12.50 % by vol
AUTOIGNITION TEMPERATURE: N/D

EXTINGUISHING MEDIA:

Water, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

See Hazardous Decomposition section for products of combustion. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 3 REACTIVITY: 2

UNUSUAL REACTION HAZARD: none

SECTION 5. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Amines, Reducing Agents, Heat, Reactive Metals, Sparks and/or Flames. Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature reaction (exotherm) with production of intense heat and smoke.

HAZARDOUS POLYMERIZATION: Hazardous polymerization may occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Toxic Vapors, Gases or Particulates.

SECTION 6. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Cover with absorbent material. Collect spilled material. Place in a U.S. DOT-approved container.

BondPak 7122 Adhesive part B Page 3 of 6

RECOMMENDED DISPOSAL:

Cure product according to product instructions. Incinerate in an industrial or commercial facility in the presence of a combustible material. Dispose of completely cured (or polymerized) material in a sanitary landfill.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 0.00 gms/liter.

VOC Less H₂O & Exempt Solvents: 0.0 gms/liter.

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity.

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

SECTION 7. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:

Wash affected area with soap and water.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

SECTION 8. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. Wear ventilated goggles. Where safety Glasses with side shields.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber, polyvinyl alcohol, fluoroelastomer (Viton).

RECOMMENDED VENTILATION:

Curing ovens must be exhausted to outdoors or to a suitable emission control device. If exhaust ventilation is not adequate, use appropriate respiratory protection. Provide ventilation adequate to

BondPak 7122 Adhesive part B Page 4 of 6

control vapor concentrations below recommended exposure limits and/or control spray or mist.

RESPIRATORY PROTECTION:

Avoid breathing of vapors. Avoid breathing of dust created by cutting, sanding or grinding. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask dust respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Wash hands after handling and before eating. Do not ingest.

RECOMMENDED STORAGE:

Store in a cool place. Store away from heat. Keep container dry. Keep container in well-ventilated area. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Flammable liquid and vapor. Keep away from heat, sparks, open flame, and other sources of ignition. No smoking while handling this material. Do not heat under confinement.

EXPOSURE LIMITS

<u>INGREDIENT</u>	<u>VALUE</u>	<u>UNIT</u>	<u>TYPE</u>	<u>AUTH</u>	<u>SKIN*</u>
METHYL METHACRYLATE	100	PPM	TWA	OSHA	
METHYL METHACRYLATE	50	PPM	TWA	ACGIH	
			SENSITIZER		
METHYL METHACRYLATE	100	PPM	STEL	ACGIH	
			SENSITIZER		
Acrylic polymer blend - Vendor Trade Secret (V.T.S.) ++	NONE	NONE	NONE	NONE	
3,5-DIETHYL-1,2-DIHYDRO-1-PHENOL-2- PROPYLPYRIDINE	NONE	NONE	NONE	NONE	

*SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
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SECTION 9. HEALTH HAZARD DATAEYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

BondPak 7122 Adhesive part B Page 5 of 6

Vapors from heated material may cause eye irritation.
Dust created by cutting, grinding, sanding, or machining may cause eye irritation.

SKIN CONTACT:

Allergic Skin Reaction: signs/symptoms can include redness, swelling, blistering, and itching.

Moderate Skin Irritation: signs/symptoms can include redness, swelling, itching, and dryness.

INHALATION:

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Nervous System Effects: signs/symptoms can include emotional changes, lack of coordination, tremors and sensory loss.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

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IF SWALLOWED:

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REPRODUCTIVE/DEVELOPMENTAL TOXINS:

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