

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 7513 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  
May 30, 2001

Transportation Emergency  
Chemtrec: 800-424-9300

TRADE NAME:

BondPro 7513 Adhesive part A

**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>SUBSTANCE DESCRIPTION</u>	<u>CAS#</u>	<u>PERCENT</u>
SYNTHETIC RUBBER OLIGOMER	TradeSecret	40 - 70
POLYFUNCTIONAL AZIRIDINE	64265-57-2	10 - 30
COMPLEXED AMINE/POLYOL BLEND	TradeSecret	1.0 - 5.0
AMORPHOUS SILICA	7631-86-9	1.0 - 5.0

This material is not on EINECS and should be used in Europe only for research purposes in order to establish its properties. The components of this product are in compliance with the chemical notification requirements of TSCA

**SECTION 3. PHYSICAL DATA**

BOILING POINT: N/A  
VAPOR PRESSURE: < 0.1 mmHg  
VAPOR DENSITY: N/D  
EVAPORATION RATE: N/D  
SOLUBILITY IN WATER: slight  
SPECIFIC GRAVITY: 1.028 g/cc  
PERCENT VOLATILE: 7.9 % by wt ASTM D2369 @110 C  
pH: N/A  
VISCOSITY: 25000 - 35000 centipoise  
MELTING POINT: N/A

APPEARANCE AND ODOR:  
Paste, WHITE, MILD ODOR

**SECTION 4. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: 223 F Setaflash  
FLAMMABLE LIMITS - LEL: N/D  
FLAMMABLE LIMITS - UEL: N/D  
AUTOIGNITION TEMPERATURE: N/D

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EXTINGUISHING MEDIA:

Water spray, 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:

Not determined.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 2 REACTIVITY: 0UNUSUAL REACTION HAZARD: noneOSHA FIRE HAZARD CLASS: Class II Combustible Liquid

<b>SECTION 5. REACTIVITY DATA</b>
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STABILITY: StableINCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Strong Acids, Heat.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.HAZARDOUS DECOMPOSITION PRODUCTS:

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

<b>SECTION 6. ENVIRONMENTAL INFORMATION</b>
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SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Extinguish all ignition sources. Contain spill. Cover with inorganic absorbent material. Cover with water. Collect spilled material. Clean up residue. Place in a closed container. Cloth or paper contaminated with adhesive should be disposed of in a metal container, covered with water and container sealed.

RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility. Do not dispose of in a sanitary landfill.

ENVIRONMENTAL DATA:

Not applicable.

REGULATORY INFORMATION:

Volatile Organic Compounds: 81 gms/liter South Coast Air Quality Mgmt Dist Method.

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VOC Less H2O & Exempt Solvents: 81 gms/liter South Coast Air Quality Mgmt Dist Method.

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.

When components B & A are mixed at a 10:1 ratio, the specific gravity of the mixture is 1.006 . The VOC content (less water and exempt solvent) for the mixture is 218 g/l

EPCRA HAZARD CLASS:

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

### 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:

Immediately flush skin with large amounts of water. Remove contaminated clothing. If irritation persists, call a physician. Wash contaminated clothing before reuse.

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 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, nitrile rubber, polyethylene, polyvinyl alcohol.

RECOMMENDED VENTILATION:

Do not use in a confined area or areas with little or no air movement. Provide appropriate local exhaust when product is heated. Use in a well-ventilated area. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid breathing of vapors. half-mask organic vapor respirator, full-face organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

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

BondPro 7513 Adhesive part A Page 4 of 5

RECOMMENDED STORAGE:

Store away from acids. Store away from heat. Keep container dry.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Combustible liquid and vapor.

OTHER PRECAUTIONARY INFORMATION:

Not intended for consumer sale or use.

When equalizing plungers, prior to use, dispense unmixed adhesive onto a clean, solvent-free, non-porous surface such as aluminum foil, glass or a metal can. Do not dispense unmixed adhesive onto paper or cloth towels or rags.

**EXPOSURE LIMITS**

<u>INGREDIENT</u>	<u>VALUE</u>	<u>UNIT</u>	<u>TYPE</u>	<u>AUTH</u>	<u>SKIN*</u>
SYNTHETIC RUBBER OLIGOMER	NONE	NONE	NONE	NONE	
POLYFUNCTIONAL AZIRIDINE	NONE	NONE	NONE	NONE	
COMPLEXED AMINE/POLYOL BLEND	NONE	NONE	NONE	NONE	
AMORPHOUS SILICA	3	MG/M3	TWA	CMRG	

AS RESPIRABLE DUST

\* 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:

- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- NONE: None Established

## SECTION 9. HEALTH HAZARD DATA

EYE CONTACT:

Chemical Related Eye Burns (chemical corrosivity): signs/symptoms can include cloudy appearance of the cornea, chemical burns, pain, tearing, ulcers, impaired vision or loss of vision.

SKIN CONTACT:

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

Severe Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, itching, dryness, cracking, blistering, and pain. May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.

INHALATION:

Health effects from inhalation are not expected unless product is heated.

Allergic Respiratory Reaction: signs/symptoms can include difficulty

BondPro 7513 Adhesive part A Page 5 of 5

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

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Kidney Effects: signs/symptoms can include reduced urine volume, blood in urine and back pain.

Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.

IF SWALLOWED:

Illness may occur after a single swallowing of relatively large quantities of this material.

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

Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.

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

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**SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

Page 1 of 6

MANUFACTURER:

BondPro Corporation  
650 Brakke Drive  
Hudson, WI 54016  
Phone: 715-386-6206  
Fax: 715-386-1462  
Issued: June 25, 2001

Transportation Emergency  
Chemtrec: 800-424-9300

TRADE NAME:

BondPak 7513 Adhesive part B

**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

SUBSTANCE DESCRIPTION	CAS#	PERCENT
METHACRYLATE	2455-24-5	40 - 70
ACRYLONITRILE-BUTADIENE-STYRENE RESIN	9003-56-9	10 - 30
DIBUTYL ITACONATE	2155-60-4	5.0 - 10.0
SYNTHETIC RUBBER OLIGOMER	TradeSecret	1.0 - 5.0
MICROSPHERES	66402-68-4	1 - 5
IMPACT MODIFIER	20882-04-6	0.5 - 1.5

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**SECTION 3. PHYSICAL DATA**

BOILING POINT: N/D  
VAPOR PRESSURE: < 0.1 mmHg  
VAPOR DENSITY: N/D  
EVAPORATION RATE: N/D  
SOLUBILITY IN WATER: slight  
SPECIFIC GRAVITY: 1.009 g/cc  
PERCENT VOLATILE: 59.47 % ASTM @ 110 degrees C  
pH: N/A  
VISCOSITY: 25000-35000 centipoise  
MELTING POINT: N/A

## APPEARANCE AND ODOR:

Paste, pink/amber, mild acrylic odor

#### SECTION 4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 206 F Setaflash  
FLAMMABLE LIMITS - LEL: N/D  
FLAMMABLE LIMITS - UEL: N/D  
AUTOIGNITION TEMPERATURE: N/D

EXTINGUISHING MEDIA:

Water spray, 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:

Not determined.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 3 REACTIVITY: 0

UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: IB Flammable Liquid

#### SECTION 5. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Strong Acids, Heat.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Aldehydes, Amine Compounds, 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. Extinguish all ignition sources. Contain spill. Cover with inorganic absorbent material. Cover with water. Collect spilled material. Clean up residue. Place in a closed container. Cloth or paper contaminated with adhesive should be disposed of in a metal container, covered with water and container sealed.

BondPak 7513 Adhesive part B Page 3 of 6

RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility. Do not dispose of in a sanitary landfill.

ENVIRONMENTAL DATA:

No data available.

REGULATORY INFORMATION:

Volatile Organic Compounds: 597 gms/liter South Coast Air Quality Mgmt Dist Method.

VOC Less H<sub>2</sub>O & Exempt Solvents: 597 gms/liter South Coast Air Quality Mgmt Dist Method.

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.

When components B & A are mixed at a 10:1 ratio, the specific gravity of the mixture is 1.006 g/cc. The VOC content (less water and exempt solvent) for the mixture is 218 g/l

EPCRA HAZARD CLASS:

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

**SECTION 7. SUGGESTED FIRST AID**EYE CONTACT:

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

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

IF SWALLOWED:

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

**SECTION 8. PRECAUTIONARY INFORMATION**EYE PROTECTION:

Avoid eye contact. Wear safety glasses with side shields.

SKIN PROTECTION:

Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber, nitrile rubber, polyethylene, polyvinyl alcohol.

RECOMMENDED VENTILATION:

Use with appropriate local exhaust ventilation. Use in a well-

BondPak 7513 Adhesive part B Page 4 of 6

ventilated area. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid breathing of vapors. half-mask organic vapor respirator, full-face organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Store away from acids. Store away from heat. Keep container dry.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Combustible liquid and vapor.

OTHER PRECAUTIONARY INFORMATION:

Not intended for consumer sale or use.

When equalizing plungers, prior to use, dispense unmixed adhesive on to a clean, solvent free non-porous surface such as aluminum foil, glass or a metal can. Do not dispense unmixed adhesive onto paper or cloth towels or rags.

**EXPOSURE LIMITS**

<u>INGREDIENT</u>	<u>VALUE</u>	<u>UNIT</u>	<u>TYPE</u>	<u>AUTH</u>	<u>SKIN*</u>
METHACRYLATE	NONE	NONE	NONE	NONE	
ACRYLONITRILE-BUTADIENE-STYRENE					
RESIN	NONE	NONE	NONE	NONE	
DIBUTYL ITACONATE	NONE	NONE	NONE	NONE	
SYNTHETIC RUBBER OLIGOMER	NONE	NONE	NONE	NONE	
MICROSPHERES	NONE	NONE	NONE	NONE	
IMPACT MODIFIER	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:

- NONE: None Established

## SECTION 9. HEALTH HAZARD DATA

EYE CONTACT:

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

SKIN CONTACT:

Allergic Skin Reaction: signs/symptoms can include redness, swelling,

BondPak 7513 Adhesive part B Page 5 of 6

blistering, and itching. Moderate Skin Irritation: signs/symptoms can include redness, swelling, itching, and dryness. May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT. Nervous System Effects: signs/symptoms can include emotional changes, lack of coordination, tremors and sensory loss.

INHALATION:

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

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Kidney Effects: signs/symptoms can include reduced urine volume, blood in urine and back pain.

Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.

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

IF SWALLOWED:

Illness may occur after a single swallowing of relatively large quantities of this material.

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

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

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BondPak 7513 Adhesive part B Page 6 of 6

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