

SECTION 1: IDENTIFICATION**Product Identifier****Product Form:** Mixture**Product Name:** StrongHold Pump Grade Adhesive**Product Code:** F0252-PG-AI5B-A01, F0252-PG-15DR-A01, F0252-PG-AIDR-A01**Intended Use of the Product**

Adhesive

Name, Address, and Telephone of the Responsible Party**Manufacturer**

BITEC, Inc.

#2 Industrial Park Drive

Morrilton, AR 72110

T-800-535-8597

F-501-354-3019

www.bitec.com

Emergency Telephone Number**Emergency Number:** 1-800-535-8597**SECTION 2: HAZARDS IDENTIFICATION****Classification of the Substance or Mixture****Classification (GHS-US)**

Acute Tox. 4	H332
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Respiratory Sens. 1	H334
Skin Sens. 1	H317
STOT SE 3	H335
STOT RE 2	H373

Label Elements**GHS-US Labeling****Hazard Pictograms (GHS-US)****Signal Word (GHS-US)**

: Danger

Hazard Statements (GHS-US): H315 Causes skin irritation. H
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.**Precautionary Statements (GHS-US)**: P260 Do not breathe mist or vapors.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/ eye protection/ face protection.
P285 In case of inadequate ventilation wear respiratory protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P405 Store locked up. P501 Dispose of contents/ container to an approved waste disposal plant.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.

StrongHold Pump Grade Adhesive Part A

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

P362 Take off contaminated clothing and wash before reuse.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product identifier	% (w/w)
4,4'-Methylenediphenyl diisocyanate	101-68-8	90 - 100

Full text of H-Phrases: See Section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

First-aid Measures General: Show this material safety data sheet to the doctor in attendance.

First-aid Measures After Inhalation: Remove to fresh air. If symptoms persist, call a physician.

First-aid Measures After Skin Contact: Get medical attention if irritation develops and persists. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use.

First-aid Measures After Eye Contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

First-aid Measures After Ingestion: Do not induce vomiting. If conscious, give 2 glasses of water. Get immediate medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms Breathing difficulties. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: Do not use water jet. Use of heavy stream of water may spread fire.

Special Hazards Arising from the Substance or Mixture

Product is or contains a sensitizer. May cause sensitization by skin contact. Containers may explode when heated.

Advice for Firefighters

Protection During Firefighting: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection. Use proper PPE.

Emergency Procedures: Ventilate area. Evacuate unnecessary personnel. Eliminate ignition sources. Stop leak if safe to do so. Prevent entry to sewers and public waters.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and Material for Containment and Cleaning Up

For Containment: Absorb and/or contain spill with inert material.

Methods for Cleaning Up: Shovel into suitable container for disposal. Neutralize with the following product(s): Ammonia Clear up spills immediately and dispose of waste safely.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Precautions for Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear

StrongHold Pump Grade Adhesive Part A

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Contaminated work clothing should not be allowed out of the workplace.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Avoid inhalation, ingestion and contact with skin and eyes

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Limits

<u>Chemical name</u>	<u>ACGIH</u>	<u>OSHA</u>	<u>CAL PEL</u>
4,4'-Methylenediphenyl diisocyanate 101-68-8	- TWA: 0.005 ppm	OSHA Z-1 Ceiling: 0.02 ppm 0.2 OSHA PO Ceiling: 0.02 ppm 0.2 mg/m3 mg/m3	PEL: 0.05ppm 0.051 mg/m3

Exposure Controls

Appropriate Engineering Controls: Use local exhaust ventilation or other engineering controls to minimize exposures.

Personal Protective Equipment

Hand Protection: Wear suitable nitrile rubber gloves

Eye Protection: Chemical goggles or safety glasses with side shields.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use respiratory protection unless adequate risk management measures (exhaust/ ventilation) are provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Other Information: Avoid contact with skin, eyes and clothing.

Provide adequate ventilation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Dark amber
Odor	: Characteristic
Flash Point	: Not determined
Vapor Pressure	: Not determined
Specific Gravity	: Not determined
Relative vapor density (Air=1)	: Not determined
Density	: 1.22 g/cm ³ (20 C)
Solubility	: Not determined
Volatile Organic Compounds	: Not determined

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

Chemical Stability: Product is stable under recommended handling and storage conditions (see Section 7).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: None known based on information supplied.

Incompatible Materials: Amines, strong acids and strong bases

Hazardous Decomposition Products: None known based on information supplied.

SECTION 11: TOXICOLOGICAL INFORMATION

Information On Toxicological Effects – Product

Product Acute toxicity :

Acute inhalation toxicity	:	Acute toxicity estimate : 11 mg/l Exposure time: 4 Hours Test atmosphere: vapor Method: Calculation method
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Component Acute inhalation toxicity:

4,4'-Methylenediphenyl diisocyanate:	:	Acute toxicity estimate : 1.5 mg/l
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StrongHold Pump Grade Adhesive Part A

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Test atmosphere: dust/mist
Method: Calculation method

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration toxicity

No data available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Bioaccumulative Potential

4,4'-Methylenediphenyl diisocyanate

Partition coefficient	Low Pow: 5.22
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Mobility in Soil

No additional information available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Additional Information: Prevent runoff from entering drains, sewers, or waterways.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

Proper Shipping Name : Not regulated
Hazard Class :
Identification Number :
Packing Group :

In Accordance with IMDG

Proper Shipping Name : Not regulated
Hazard Class :
Identification Number :
Packing Group :
Marine pollutant : No

In Accordance with IATA

Proper Shipping Name : Not regulated
Hazard Class :
Identification Number :
Packing Group :

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

International Regulations

International Inventories

StrongHold Pump Grade Adhesive Part A

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

TSCA	All ingredients are listed or exempt.
DSL/NDSL	All ingredients are listed or exempt.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	On the inventory, or in compliance with the inventory
IECSC	On the inventory, or in compliance with the inventory
KECL	On the inventory, or in compliance with the inventory
PICCS	On the inventory, or in compliance with the inventory

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313

The following components are subject to reporting levels established by SARA Title III, Section 313:

4,4'-Methylenediphenyl diisocyanate 101-68-8

Polymethylene polyphenyl isocyanate 9016-87-9

SARA 311/312 Hazard Categories

Acute toxicity (any route of exposure)

Respiratory or skin sensitization

Specific target organ toxicity (single or repeated exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

CWA (Clean Water Act)

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

4,4'-Methylenediphenyl diisocyanate 101-68-8

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

No materials are listed on Prop 65 list.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 03/27/2026

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

BITEC, Inc.

#2 Industrial Park Drive

Morrilton, AR 72110

T-800-535-8597

This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety, and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.

North America GHS US 2019 & WHMIS

SECTION 1: IDENTIFICATION**Product Identifier****Product Form:** Mixture**Product Name:** StrongHold Pump Grade Adhesive**Product Code:** F0252-PG-AI5B-B01, F0252-PG-15DR-B01, F0252-PG-AIDR-B01**Intended Use of the Product**

Adhesive

Name, Address, and Telephone of the Responsible Party**Manufacturer**

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Emergency Telephone Number**Emergency Number:** 1-800-535-8597**SECTION 2: HAZARDS IDENTIFICATION****Classification of the Substance or Mixture****Classification (GHS-US)**

Reproductive Toxicity 2 H361

Label Elements**GHS-US Labeling****Hazard Pictograms (GHS-US)** :**Signal Word (GHS-US)** :

Warning

Hazard Statements (GHS-US) :

H361 Suspected of damaging fertility or the unborn child.

Precautionary Statements (GHS-US) :

P260 Do not breathe mist or vapors.

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**Mixture**

Name	Product identifier	% (w/w)
Propane-1,2-diol, propoxylated	25322-69-4	90 - 100
potassium 2-ethylhexanoate	3164-85-0	0.1 - 1

Full text of H-Phrases: See Section 16

SECTION 4: FIRST AID MEASURES**Description of First Aid Measures****First-aid Measures General:** Show this material safety data sheet to the doctor in attendance.**First-aid Measures After Inhalation:** Remove to fresh air. If symptoms persist, call a physician.**First-aid Measures After Skin Contact:** Wash off with soap and water.**First-aid Measures After Eye Contact:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**First-aid Measures After Ingestion:** Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.**Most Important Symptoms and Effects, Both Acute and Delayed****Symptoms** Suspected of damaging fertility or the unborn child.**SECTION 5: FIRE-FIGHTING MEASURES****Extinguishing Media****Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

StrongHold Pump Grade Adhesive Part B

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Unsuitable Extinguishing Media: Do not use water jet. Use of heavy stream of water may spread fire.

Advice for Firefighters

Protection During Firefighting: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection. Use proper PPE.

Emergency Procedures: Ventilate area. Evacuate unnecessary personnel. Eliminate ignition sources. Stop leak if safe to do so. Prevent entry to sewers and public waters.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and Material for Containment and Cleaning Up

For Containment: Absorb and/or contain spill with inert material.

Methods for Cleaning Up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Precautions for Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Contaminated work clothing should not be allowed out of the workplace.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Avoid inhalation, ingestion and contact with skin and eyes

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Controls

Appropriate Engineering Controls: Use local exhaust ventilation or other engineering controls to minimize exposures.

Personal Protective Equipment

Hand Protection: Wear suitable nitrile rubber gloves

Eye Protection: Chemical goggles or safety glasses with side shields.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment..

Other Information: Avoid contact with skin, eyes and clothing. Provide adequate ventilation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear
Odor	: mild
Flash Point	: Not determined
Vapor Pressure	: Not determined
Specific Gravity	: Not determined
Relative vapor density (Air=1)	: Not determined
Density	: 1 g/cm ³ (20 C)
Solubility	: Not determined

StrongHold Pump Grade Adhesive Part B

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Volatile Organic Compounds : Not determined

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Product is stable under recommended handling and storage conditions (see Section 7).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: None known based on information supplied.

Hazardous Decomposition Products: None known based on information supplied.

SECTION 11: TOXICOLOGICAL INFORMATION

Information On Toxicological Effects – Product

Product Acute toxicity : No data available.

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration toxicity

No data available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Bioaccumulative Potential

Propane-1,2-diol, propoxylated

Partition coefficient	Low Pow: -0.68 – 0.01 (25C) pH: 12 GLP: No
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Mobility in Soil

No additional information available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Additional Information: Prevent runoff from entering drains, sewers, or waterways.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

Proper Shipping Name : Not regulated

Hazard Class :

Identification Number :

Packing Group :

In Accordance with IMDG

Proper Shipping Name : Not regulated

Hazard Class :

Identification Number :

Packing Group :

Marine pollutant : No

In Accordance with IATA

StrongHold Pump Grade Adhesive Part B

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Proper Shipping Name : Not regulated
Hazard Class :
Identification Number :
Packing Group :

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

International Regulations

International Inventories

TSCA All ingredients are listed or exempt.

DSL/NDSL All ingredients are listed or exempt.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazard Categories

Reproductive toxicity

CWA (Clean Water Act)

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

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No materials are listed on Prop 65 list.

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Revision date : 03/27/2026

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Party Responsible for the Preparation of This Document

BITEC, Inc.

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