

**I. PRODUCT AND COMPANY IDENTIFICATION**

**Company:** Simpson Strong-Tie Company Inc.  
**Address:** 5956 W. Las Positas Blvd.  
Pleasanton, CA 94588  
**Product Name:** **Cartridges: ATPAC05, ATPAC05KT, AT08, AT10, AT13, AT30**  
**Single Packaging: AT050R, ATR**  
**Product Description:** High Strength Acrylic-Tie® Anchoring Adhesive – Resin  
**Emergency Contact No.:** 1-800-535-5053 USA  
1-352-323-3500 **International**  
**Date Prepared or Revised:** September 2009  
**Supercedes:** July 2008  
For most current MSDS, please visit our web site at [www.simpsonanchors.com](http://www.simpsonanchors.com).

**II. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Names	CAS Numbers
Methyl Methacrylate	80-62-6
Crystalline Silica	14808-60-7

The remaining ingredients are designated as “trade secret”.

**III. HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW**

Flammable.  
May cause eye and skin irritation.  
May cause skin sensitization

**POTENTIAL HEALTH EFFECTS**

**ACUTE**

**Eye Contact:** May cause eye irritation, swelling, tearing, redness or cornea damage.  
**Skin Contact:** Moderate irritation. May cause skin sensitization, evidenced by rashes and hives.  
**Inhalation:** Moderate irritation to the nose and respiratory tract. May cause Central Nervous System depression, evidenced by headache, dizziness, and nausea.  
**Ingestion:** May cause irritation to the gastrointestinal tract. May cause Central Nervous System depression or other systemic effects.  
**Systemic Effects:** Lungs, eyes, and skin.

**IV. FIRST AID MEASURES**

**Eye Contact:** Immediately flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. If redness, burning, blurred vision, or swelling persists, **CONSULT A PHYSICIAN**.

**Skin Contact:** Remove product and immediately wash affected area with soap and water. Do not apply greases or ointments. Remove contaminated clothing. Wash clothing with soap and water before reuse. If redness, burning, or swelling persists, **CONSULT A PHYSICIAN**.

**Ingestion:** **DO NOT INDUCE VOMITING.** Never administer anything by mouth to an unconscious person. Rinse out mouth with water, then drink sips of water to remove taste from mouth. **CONSULT A PHYSICIAN** if vomiting occurs spontaneously, keep head below hips to prevent aspiration.

**Inhalation:** Remove patient to fresh air. If patient continues to experience difficulty breathing, **CONSULT A PHYSICIAN**.

**V. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Water fog, carbon dioxide or dry chemical, aqueous foam.  
**Fire And Explosion Hazard:** Hazardous gases/vapors produced are methyl methacrylate, carbon monoxide, carbon dioxide, and smoke. Toxic and flammable vapors may be produced under combustion. Sealed containers exposed to elevated temperatures may rupture explosively due to polymerization. Vapors are heavier than air and may travel to ignition sources and flash back. Do not allow run-off from fire fighting to enter drains or water courses.

**Fire Fighting Equipment and Procedures:**

Wear full protective clothing and self-contained breathing apparatus for fire fighting. Isolate fuel supply from fire. Clear fire area of all non-emergency personnel. Use water spray to cool fire-exposed surfaces and containers.

**VI. ACCIDENTAL RELEASE MEASURES****Personal Precautions:**

Use cautious judgment when cleaning up spill. Shut off leaks, if possible without personal risk. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

**Environmental Precautions:**

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

**Clean-up Methods:**

**Small spills:** Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal.

**Large spills:** Approach suspected leak areas with caution. Create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal.

**Additional Information:**

Notify authorities if any exposures to the general public or environment occur or are likely to occur. Dispose in accordance with federal, state, and local regulations.

**VII. STORAGE AND HANDLING****Storage:**

Keep away from: acids, oxidizers, heat, or flames. Keep in cool, dry, well-ventilated area in closed containers. Protect containers from physical damage.

**Handling (Personnel):**

To prevent skin and eyes contact under the foreseeable conditions of use, wear appropriate protective clothing and safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Avoid breathing fumes. Handle in a well-ventilated work area.

**Handling (Physical Aspects):**

Close container after each use. Ground drum and bond to container to prevent static spark. Keep away from heat, sparks and flames.

**VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION****Protective Measure:**

Wear appropriate personal protective equipment.

**Eye Protection:**

Avoid contact with eyes. Wear chemical splash goggles or safety glasses with side shield.

**Hand Protection:**

Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl.

**Skin and Body Protection:**

Wear chemical-resistant gloves and other clothing as required to minimize contact.

**Respirator Protection:**

Not required for properly ventilated areas.

**Exposure Limits:**

Chemical Names	ACGIH (TLV)	OSHA (PEL)
Methyl Methacrylate	50 ppm	100 ppm
Silica, crystalline quartz (airborne particulates of respirable size)	0.1mg/m <sup>3</sup>	0.4mg/m <sup>3</sup>

**IX. PHYSICAL AND CHEMICAL PROPERTIES****Form:**

Paste

**Color:**

White

**Odor:**

Strong acrid odor

**Vapor Pressure:**

N/E

**Boiling Point:**

N/E

**Freezing Point:**

N/E

**Flash Point:**

73°F (23°C) Closed Cup

**Specific Gravity:**

N/E

**pH:**

6.7

**Solubility In Water:**

N/E

**X. REACTIVITY DATA**

**Stability:** Unstable with heat.  
**Conditions To Avoid:** Incompatible chemicals, heat and open flame.  
**Materials To Avoid:** Oxidizing and reducing agents  
**Hazardous Decomposition Products:** Decomposes with heat. Combustion may produce carbon monoxide, carbon dioxide, aldehydes and smoke.  
**Hazardous Polymerization:** Polymerization can occur when exposed to excessive heat.

**XI. TOXICOLOGICAL PROPERTIES**

**Acute Oral (LD<sub>50</sub>, Rat):** Non toxic  
**Acute Dermal (LD<sub>50</sub>, Rabbit):** N/E  
**Acute Inhalation (LC<sub>50</sub>, Rat):** N/E

**Chronic Health Hazard** Prolonged and/or repeated exposure to methyl methacrylate may lead to kidney, lung, liver, and heart damage. Respirable crystalline silica (quartz) can cause silicosis (scarring) of the lungs. Exposure to silica dust is not likely from normal use of product.

**XII. DISPOSAL CONSIDERATIONS**

**Waste From Residues / Unused Products:** This material is a hazardous waste by RCRA criteria (40 CFR 261). Dispose of container and unused contents in accordance with federal, state, and local requirements.

**XIII. TRANSPORTATION**

**US DOT: Cartridges:** Consumer Commodity, ORM-D  
**Single Packaging:** UN1866, Resin Solution, 3, III  
**IATA:** UN1866, Resin Solution, 3, III  
**IMO:** UN1866, Resin Solution, 3, III, (23°C)

**XIV. REGULATORY INFORMATION**

Country	Regulatory List
USA	TSCA

**EPA SARA Title III Section 312 (40 CFR 370) Hazardous Classification:**

Acute/Chronic Health Hazard.

**EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level:**

Methyl Methacrylate.

**US. California "Safe Drinking Water and Toxic Enforcement Act" (Proposition 65):**

This product contains chemicals that are known to the State of California to cause cancer and/or reproductive toxicity and other harm.

Component	Regulation	% In Blend (approx.)	Remarks
Silica Quartz	ACGIH	< 45	Carcinogenic

**XV. OTHER INFORMATION**

**HMIS RATING**

Health	Flammability	Physical Hazard
2	3	0

N/E – Not Established

This Material Safety Data Sheet (MSDS) is prepared by Simpson Strong-Tie Company Inc. in compliance with the requirements of OSHA 29 CFR Part 1910.1200. The information it contains is offered in good faith as accurate as of the date of this MSDS. This MSDS is provided solely for the purpose of conveying health, safety, and environmental information. No warranty, expressed or implied, is given. Health and Safety precautions may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

**I. PRODUCT AND COMPANY IDENTIFICATION**

**Company:** Simpson Strong-Tie Company Inc.  
**Address:** 5956 W. Las Positas Blvd.  
Pleasanton, CA 94588

**Product Name:** **Cartridges: ATPAC05, ATPAC05KT, AT08, AT10, AT13, AT30**  
**Single Packaging: AT005I, ATI**

**Product Description:** High Strength Acrylic-Tie® Anchoring Adhesive - Initiator

**Emergency Contact No.:** 1-800-535-5053 USA  
1-352-323-3500 **International**

**Date Prepared or Revised:** September 2009

**Supercedes:** July 2008

For most current MSDS, please visit our web site at [www.simpsonanchors.com](http://www.simpsonanchors.com).

**II. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Names	CAS Numbers
Dibenzoyl peroxide	94-36-0
Diisobutyl phthalate	84-69-5
Crystalline Silica	14808-60-7

The remaining ingredients are designated as "trade secret".

**III. HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW**

Non corrosive.  
Moderate irritation to eyes and skin.  
May cause skin sensitization.

**POTENTIAL HEALTH EFFECTS**

**ACUTE**

**Eye Contact:** May cause eye irritation, swelling, tearing, redness or cornea damage.  
**Skin Contact:** Moderate irritation. May cause skin sensitization, evidenced by rashes and hives.  
**Inhalation:** Moderate irritation to the nose and respiratory tract. May cause Central Nervous System depression, evidenced by headache, dizziness, and nausea.  
**Ingestion:** May cause irritation to the gastrointestinal tract. May cause Central Nervous System depression or other systemic effects.  
**Systemic Effects:** Lungs, eyes, and skin.

**IV. FIRST AID MEASURES**

**Eye Contact:** Immediately flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. If redness, burning, blurred vision, or swelling persists, **CONSULT A PHYSICIAN.**

**Skin Contact:** Remove product and immediately wash affected area with soap and water. Do not apply greases or ointments. Remove contaminated clothing. Wash clothing with soap and water before reuse. If redness, burning, or swelling persists, **CONSULT A PHYSICIAN.**

**Ingestion:** **DO NOT INDUCE VOMITING.** Never administer anything by mouth to an unconscious person. Rinse out mouth with water, then drink sips of water to remove taste from mouth. **CONSULT A PHYSICIAN** if vomiting occurs spontaneously, keep head below hips to prevent aspiration.

**Inhalation:** Remove patient to fresh air. If patient continues to experience difficulty breathing, **CONSULT A PHYSICIAN.**

**V. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Water spray, fog or foam, carbon dioxide, dry chemical.

**Fire And Explosion Hazard:** Irritating and toxic fumes may be produced at high temperature. In a fire, may produce carbon monoxide, carbon dioxide, byphenyl, and smoke. Do not allow run-off from fire fighting to enter drains or water courses.

**V. FIRE-FIGHTING MEASURES (CONT.)**

**Fire Fighting Equipment and Procedures:** Wear full protective clothing and self-contained breathing apparatus for fire fighting. Isolate fuel supply from fire. Clear fire area of all non-emergency personnel. Use water spray to cool fire-exposed surfaces and containers.

**VI. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Use cautious judgment when cleaning up spill. Shut off leaks, if possible without personal risk. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

**Environmental Precautions:** Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

**Clean-up Methods:** **Small spills:** Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal. **Large spills:** Approach suspected leak areas with caution. Create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal.

**Additional Information:** Notify authorities if any exposures to the general public or environment occur or are likely to occur. Dispose in accordance with federal, state, and local regulations.

**VII. STORAGE AND HANDLING**

**Storage:** Keep away from: acids, oxidizers, heat, or flames. Keep in cool, dry, well-ventilated area in closed containers. Protect containers from physical damage.

**Handling:** To prevent skin and eyes contact under the foreseeable conditions of use, wear appropriate protective clothing and safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Avoid breathing fumes. Handle in a well ventilated work area.

**VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Protective Measure:** Wear appropriate personal protective equipment.

**Eye Protection:** Avoid contact with eyes. Wear chemical splash goggles or safety glasses with side shield.

**Hand Protection:** Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl.

**Skin and Body Protection:** Wear chemical-resistant gloves and other clothing as required to minimize contact.

**Respirator Protection:** Not required for properly ventilated areas.

**Exposure Limits:**

Chemical Names	ACGIH (TLV)	OSHA (PEL)
Dibenzoyl peroxide	3 mg/m <sup>3</sup>	100 ppm
Diisobutyl phthalate	N/E	N/E
Silica, crystalline quartz (airborne particulates of respirable size)	0.1mg/m <sup>3</sup>	0.4mg/m <sup>3</sup>

**IX. PHYSICAL PROPERTIES**

**Form:** Paste

**Color:** Black

**Odor:** No significant odor

**Boiling Point:** N/E

**Freezing Point:** N/E

**Vapor Pressure:** N/E

**Flash Point:** 203°F (95°C) Close cup

**Specific Gravity:** N/E

**pH:** 5.8

**Solubility In Water:** N/E

**X. REACTIVITY DATA**

**Stability:** According to the manufacturer, this material is stable at temperature up to 113°F (45°C).  
**Conditions To Avoid:** Incompatible chemicals and temperature above 113°F (45°C).  
**Materials To Avoid:** Strong oxidizing agents, acids, and bases. Metal salt, reducing agents, and accelerators.  
**Hazardous Decomposition Products:** Combustion may produce carbon monoxide, carbon dioxide, byphenyl, and smoke. Other organic substances and flammable vapors may be produced.  
**Hazardous Polymerization:** Will not occur under normal temperature and pressure.

**XI. TOXICOLOGICAL PROPERTIES**

**Acute Oral (LD<sub>50</sub>, Rat):** N/E  
**Acute Dermal (LD<sub>50</sub>, Rabbit):** N/E  
**Acute Inhalation (LC<sub>50</sub>, Rat):** N/E  
**Chronic Health Hazard** Systemic toxicity in humans has not been reported. Respirable crystalline silica (quartz) can cause silicosis (scarring) of the lungs. Exposure to silica dust is not likely from normal use of product. Components of this product are listed as carcinogens concentrations of 0.1% or greater. Repeated or prolonged exposure may cause allergic reaction and/or limited sensitization.

**XII. DISPOSAL CONSIDERATIONS**

**Waste From Residues / Unused Products:** This material is a hazardous waste by RCRA criteria (40 CFR 261). Dispose of container and unused contents in accordance with federal, state, and local requirements.

**XIII. TRANSPORTATION**

**US DOT: Cartridges:** Consumer Commodity, ORM-D  
**Single Packaging:** UN3107, Organic Peroxide Type E, Liquid (Dibenzoyl Peroxide), 22%, 5.2  
**IATA:** UN3107, Organic Peroxide Type E, Liquid (Dibenzoyl Peroxide), 22%, 5.2  
**IMO:** UN3107, Organic Peroxide Type E, Liquid (Dibenzoyl Peroxide), 22%, 5.2

**XIV. REGULATORY INFORMATION**

Country	Regulatory List
USA	TSCA

**EPA SARA Title III Section 312 (40 CFR 370) Hazardous Classification:** Acute/Chronic Health Hazard.  
**EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level:** Dibenzoyl peroxide.  
**US. California "Safe Drinking Water and Toxic Enforcement Act" (Proposition 65):** This product contains chemicals that are known to the State of California to cause cancer and/or reproductive toxicity and other harm.

Component	Regulation	% In Blend (approx.)	Remarks
Carbon Black	ACGIH	< 0.1	Carcinogenic
Silica Quartz	ACGIH	< 45	Carcinogenic

**XV. OTHER INFORMATION**

**HMIS RATING**

Health	Flammability	Physical Hazard
2	1	0

N/E – Not Established

This Material Safety Data Sheet (MSDS) is prepared by Simpson Strong-Tie Company Inc. in compliance with the requirements of OSHA 29 CFR Part 1910.1200. The information it contains is offered in good faith as accurate as of the date of this MSDS. This MSDS is provided solely for the purpose of conveying health, safety, and environmental information. No warranty, expressed or implied, is given. Health and Safety precautions may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.